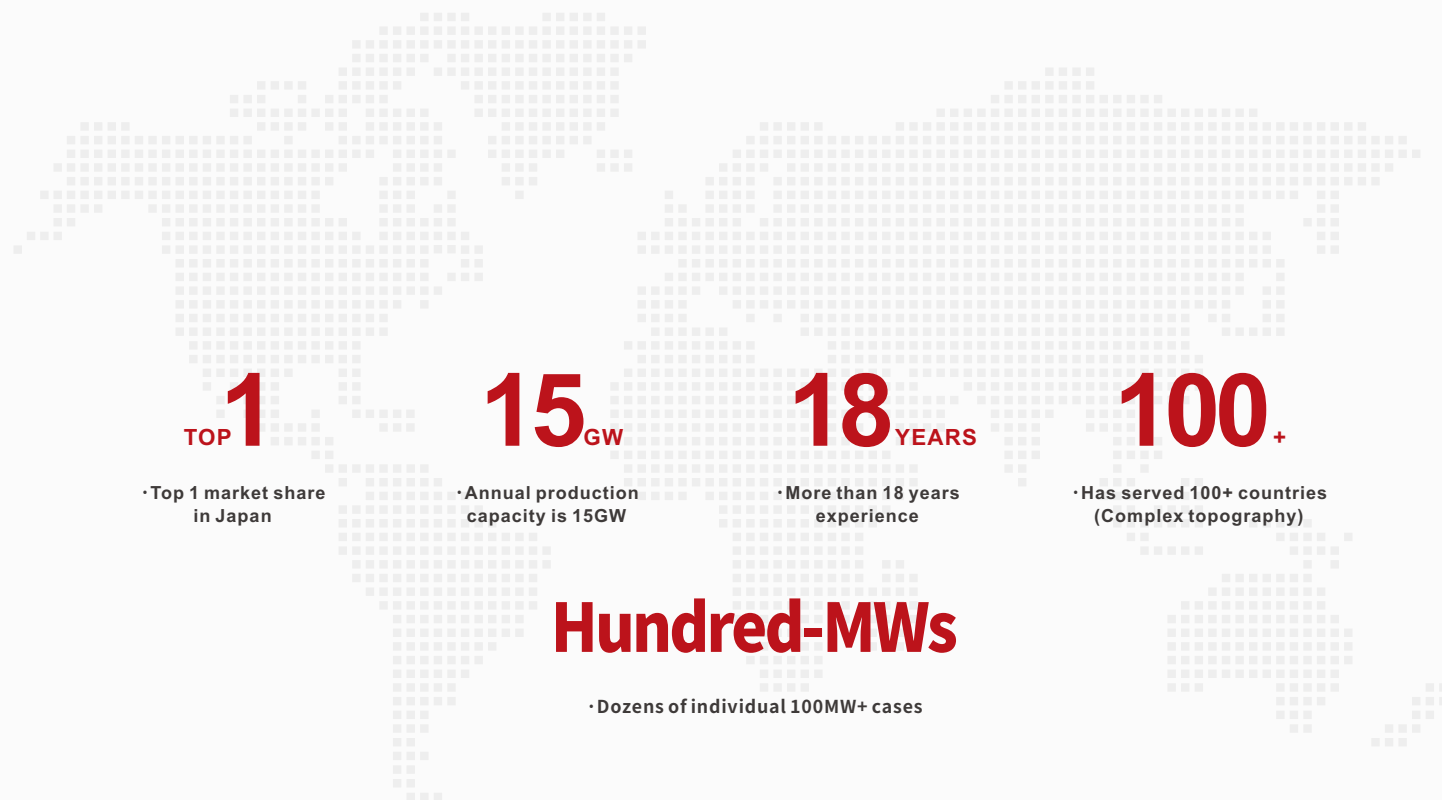




Your trustworthy brand for smart solar mounting system



 GRACE SOLAR

INFLUENTIAL PV MOUNTING SYSTEM BRAND

Your trustworthy brand for smart solar mounting system
Intelligent Tracker | Ground Mounting | Roof Mounting | Seismic support

2026/05/01

XIAMEN GRACE SOLAR NEW ENERGY TECHNOLOGY CO.,LTD.

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Xiamen Grace Solar New Energy Technology Co., Ltd.



BORN FROM RENEWABLE ENERGY
DRIVES SOLAR FORWARD

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Service & Support

Case Sharing



COMPANY PROFILE

Industry's
Upper echelon

About Grace

- BYMEA Group Registered Capital: 500Million
- Staff Number: 1000
- Factory Area: 110000m²
- Experiment Center : 2000m²

Xiamen Grace Solar New Energy Technology Co., Ltd., a trustworthy brand for smart solar mounting systems, has achieved rapid development for over 18 years. It currently ranks among the top 5 globally and No. 1 in the Japanese market. GS's global cumulative installed capacity is 48GW, with an annual production capacity of 15GW. Hundreds of MW projects have been successfully installed in more than 100 countries and regions including Japan, the United States, Australia, Europe, the Middle East, Africa and Southeast Asia. Integrating new technologies such as AI artificial intelligence, Internet of Things, energy storage, energy Internet, and intelligent manufacturing, we have successively launched Intelligent tracking system, Ground mounting system, and Roof mounting system, with more than 100 patents. It is one of the few Chinese brands that can provide complete installation solutions in the DSP and CSP markets.

Grace Solar has a team of highly sophisticated engineers who have been abroad, and has established a fully equipped key laboratory. Grace Solar products have passed certifications in many countries and regions around the world, including UL, TUV, CE, JIS, MCS, AS/NZS1170, Wind Tunnel Test Report, as well as bank ability report for our GS-light Tracker, Establish long-term and stable strategic partnerships with many Top 500 companies globally. Grace Solar adheres to the brand spirit of "Born from renewable energy, drives solar forward", based on the energy industry, and constantly exploring ahead, with the original intention of Chinese manufactured and global strategy. Bring Grace Solar to all homes!

• Enterprise Vision

Bring Grace Solar to all homes

• Enterprise Mission

Mount every solar plant firm as rock, bring more profits from the sun

• Enterprise Core Value

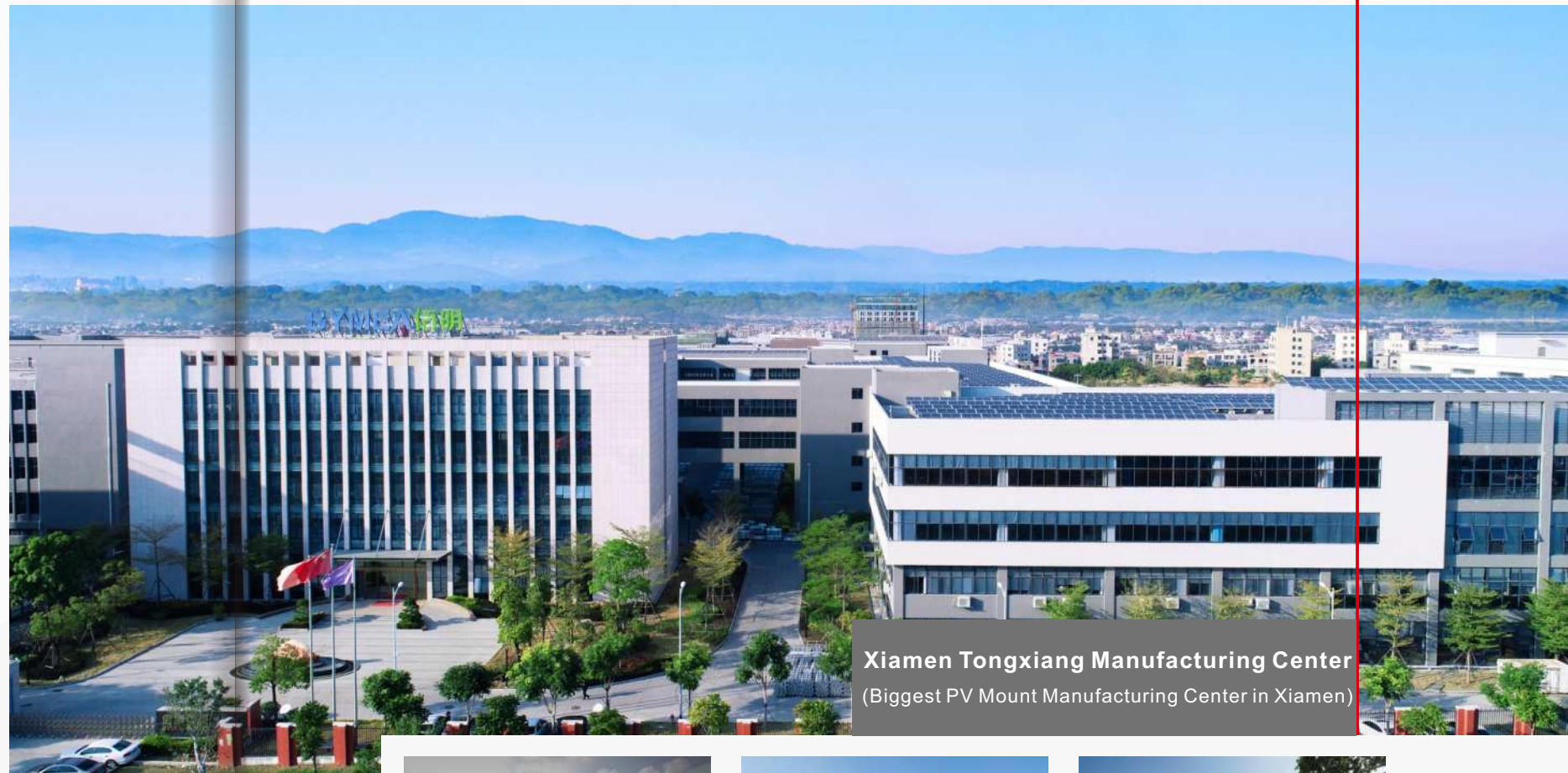
Do it right the first time

• Enterprise Roots

Most trustworthy products and service

Best stage for hard workers acheive glorious goal

Fastest payback and most stable growth brand for investors



Xiamen Tongxiang Manufacturing Center
(Biggest PV Mount Manufacturing Center in Xiamen)



Headquarters
5000 m²



Production Center
62000 m²



Production Center II
45000 m²

Brand Honors

• Brand Honors

Grace Solar was awarded the title of High-tech Enterprise, Specialising in ultra new SMEs, innovative SMEs, Executive Director Unit of APIA (Asian Photovoltaic Industry Association), Vice Chairman of ASTI, Director Unit of China Photovoltaic Industry Association, Fujian New Energy Technology Member of the Industry Promotion Association, influential photovoltaic bracket brand, outstanding photovoltaic bracket supplier and other domestic and foreign honorary titles, more than 10 awards every year.



Certified Patents

100+ Patents

Large Scale

Rich experience with 100mw+ large scale projects
Excellent management ability for large projects

UHV

Quick reaction to UHV Projects
The Japanese market accounts for 80% of the local market prefectures

China's First

The first in China! Photovoltaic carport Aluminum alloy profiles obtained JIS H 4100 certification

Certification system

• Certification system

Grace Solar PV Mounting System has passed a number of patents in the field of solar PV, ISO9001 quality management system, ISO 14001 Environmental Management System, ISO 45001 Occupational Health and Safety Management System, Wind Tunnel Test, SGS, UL, TUV, JIS, CE, MCS, AS/NZS1170, Japanese patents and other authoritative certification at home and abroad.

*Note: The picture only shows part of the certificate. Please contact us for more certification information.



ISO 9001

ISO 14001

ISO 45001

CE Certificate

Japan Certificate



Wind Tunnel Test

TÜV Certificate

MCS Certificate

JIS Certificate

AS/NZS 1170 Certificate

Authoritative Certification

Certification by dozens of authoritative organizations at home and abroad

Global Partners

Stable cooperation with dozens of global top 500 companies

Total Installed Capacity

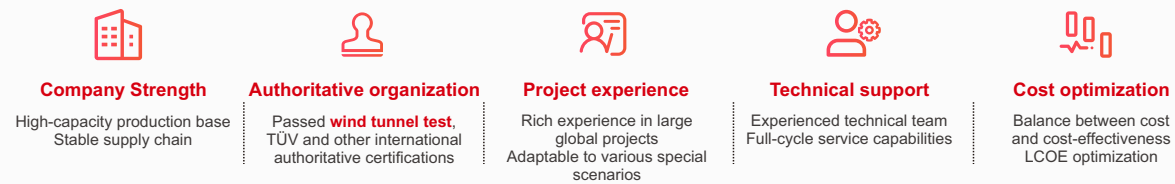
Cumulative installed capacity 48GW

Strict Quality Control

Large-scale factory, strict quality control

Wind Tunnel Test & GS Intelligent Tracking System

• How to choose a PV tracking system supplier?

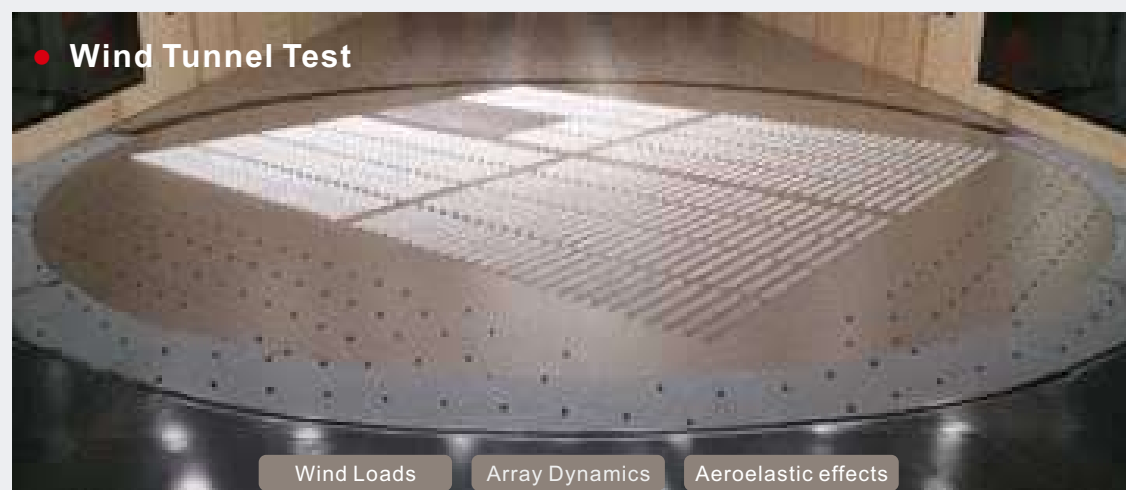


• What is wind tunnel test?

The wind tunnel test of PV tracking systems is an experimental method that simulates the natural wind environment through wind tunnel equipment to test the performance of PV tracking systems. The wind tunnel test steps meet or exceed the requirements set out in the ASCE 7 and ASCE 49-12. It aims to evaluate its stability and mechanical properties under different wind loads, and provide a basis for bracket design optimization and safe operation.

• Why do we need to do wind tunnel test?

The PV tracking system needs to test its wind resistance at different inclination angles (such as when the PV modules face east, south, and west) to prevent the tracking mechanism from getting stuck or damaged in strong winds. Wind tunnel testing is a key link in ensuring the safety and economy of PV power stations. Its technical application has become increasingly important with the frequent occurrence of extreme weather around the world. It is also an important sign of the upgrade of PV mounting systems from "empirical design" to "precision engineering".



GS- Intelligent Tracking System

Wind Tunnel Test & GS Intelligent Tracking System

GS - Wind Tunnel Test Contents:

- Aeroelastic Effects
- Static Test
- Dynamic Analysis
- Array Dynamics

GS - Obtain from Wind Tunnel Test:

- Aerodynamic stability and torsional wind load of tracker determine critical wind speed
- Recommended Wind Load Coefficients torque tube
- Analysis and Determination of Full-Scale Wind Loads
- Determination of tracker Aerodynamic profile in Strong Wind



Wind Tunnel Test - Aeroelastic Effects



Wind Tunnel Test



Wind Tunnel Test

INTERNATIONAL BRAND GLOBAL SERVICE



- 1**
Largest Export Volume in Japan
- 5**
Top 5 in Global Market Export Share
- 15**
Production Capacity: 15GW/Year
- 48**
Cumulative installed capacity 48GW
- 100+**
Has served 100 + countries and regions around the world
- 5000+**
Existing Cases(≥1MW) 5000 +

Branch

- Asia
China - Xiamen
- Asia
Japan - Tokyo
- Asia
Thailand - Bangkok
- Oceania
Australia - Sydney

- America
Mexico - Mexico City
- Middle East
The United Arab Emirates - Dubai
- Europe
Italy - Rome

R&D AND PRODUCTION

R&D and Innovation

Grace Solar adheres to the principle that technology is the first productive force and increases investment in R&D and technology. the company's R&D center has more than 100 personnel, 2 doctors, 10 masters, 88 undergraduates and 96 personnel with medium and senior titles.

Grace Solar pays attention to the development and cooperation of industry university research integration, and maintains long-term cooperation and technical exchanges with Tongji University, Central South University, Xiamen University and other famous colleges. It uses a "professional" technical team and an "innovative" R&D model to jointly create a series of high-tech products with excellent performance and advanced technology, which are always in the forefront of the industry in terms of structural safety and system performance.

Production Capacity

The manufacturing base is located in Tong'an, Xiamen, with an area of 110,000m², 15 independent R&D and design production lines, 50+ sets of equipment, and a production capacity of 15GW/year. It can deliver industry-leading quality products on time and respond quickly to customer needs.



Automated Production Workshop



R&D Design

World-class PV Mounting System Solution Supplier
The R&D team has more than 100 people
Over 100 national patents



Manufacturing

Area of 110,000m²
15 independent R&D and design production lines
50+ sets of equipment
Production capacity of 15GW/year



Quality management

International management concept strictly implement ISO9001, APQP quality control system, and obtain SGS, UL, CE, TUV, JIS, MCS, AS/NZS1170, Wind tunnel testing, bankability and other domestic and foreign authoritative certifications.



After-sales service

Service centers established on 5 continents
7X24 hours service

DEVELOPMENT HISTORY



GS-LIGHT

INTELLIGENT TRACKING SYSTEM

PV Mounting System Solution

LARGE CAPACITY ULTRA HIGH POWER SOLUTION



600W+ Large module
multipoint drive



2 intelligent core
algorithms



Efficient and stable
communication



Extreme weather
protection strategy

GS-Light Intelligent Tracking System Solution

● GS Light-Terrain Adaptability

GRACESOLAR INTELLIGENT TRACKING SYSTEM SOLUTIONS

- The north-south slope can be adapted to 20%
- Simple structure and easy installation



Complex Terrain



Agricultural-Photovoltaic Complementary



Fishery-Photovoltaic Complementary



Large Flat Ground Power Plant

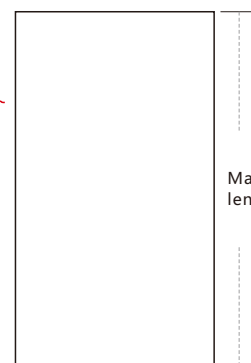
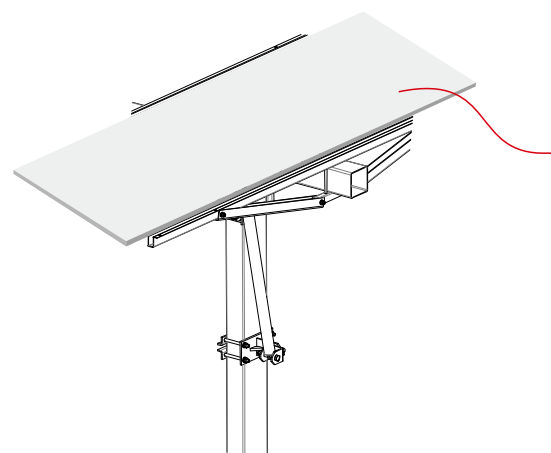


Typhoon And Highly Corrosive

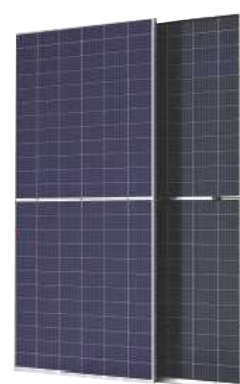
● GS Light-Module Adaptability

GRACESOLAR INTELLIGENT TRACKING SYSTEM SOLUTIONS

- Match module length up to 2.5m



Match module length up to 2.5m

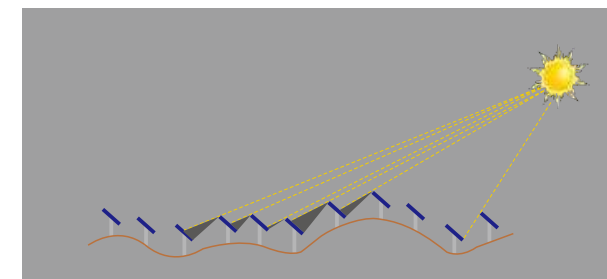


● GS Light-Intelligent Tracking Control Strategy

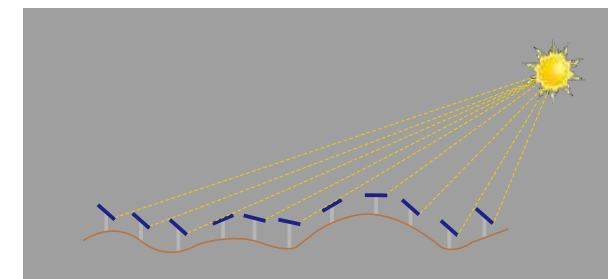
GRACESOLAR INTELLIGENT TRACKING SYSTEM SOLUTIONS

- Intelligent calculation based on different terrain and weather conditions can increase power generation by 8%

■ Whole optimization tracking

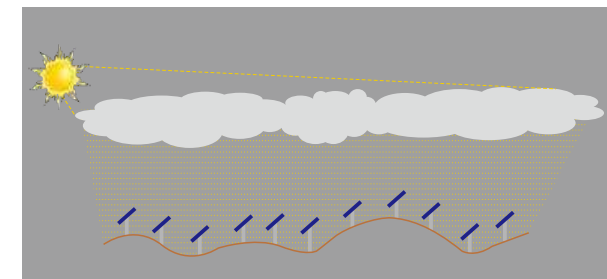


Conventional astronomical tracking

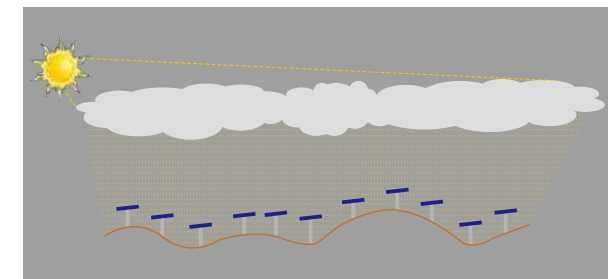


Whole optimization tracking

■ Overcast day tracking strategy



Conventional astronomical tracking



Tracking based on cloud charts

● GS Light-Tracking System Real-time Monitoring

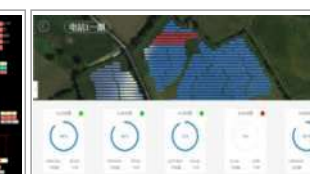
GRACESOLAR INTELLIGENT TRACKING SYSTEM SOLUTIONS



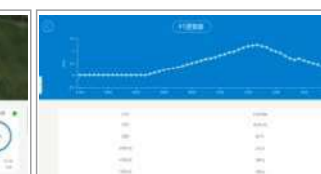
Home Page



Electrical Diagram



Module Array



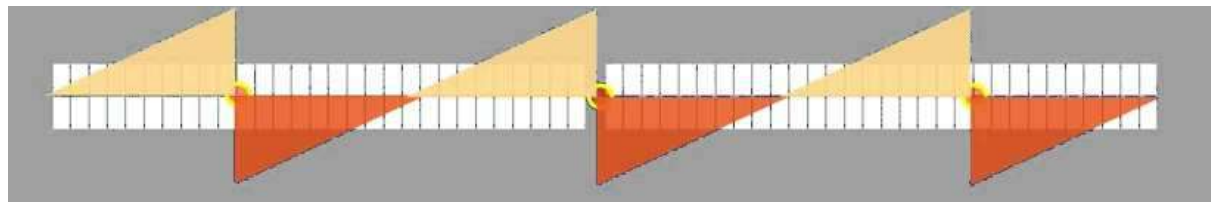
Device Parameters

GS-Light Intelligent Tracking System Solution

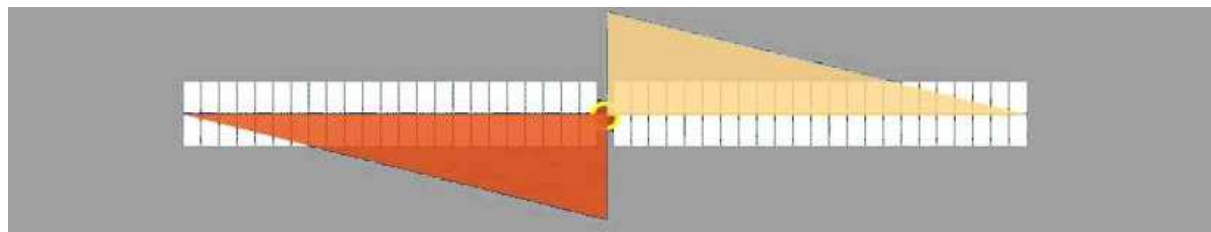
• GS Light-Product Reliability

GRACESOLAR INTELLIGENT TRACKING SYSTEM SOLUTIONS

- The multi-point drive increases the natural frequency of the system, and the stiffness of the structure is increased by 20% compared with the traditional single-point drive, which significantly improves the wind resistance of the tracking system



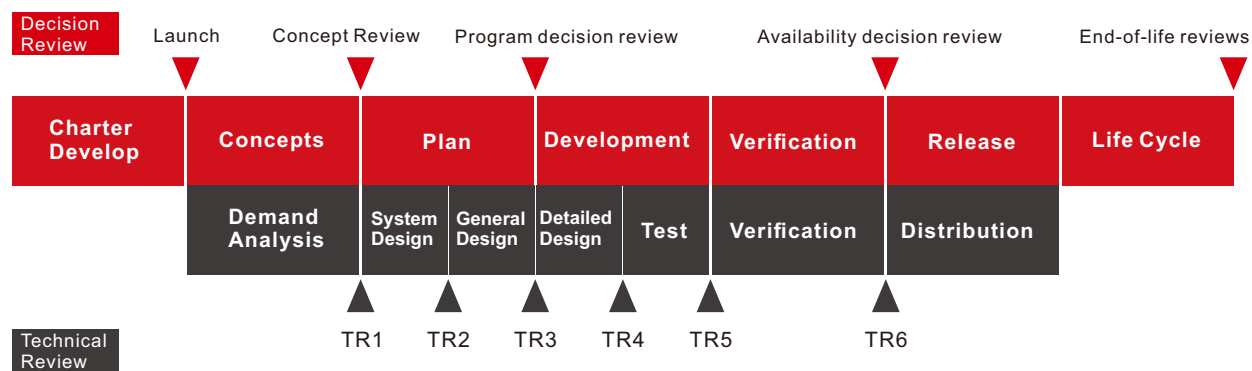
Multi-point drive torque load distribution diagram



Single point drive torque load distribution diagram

• GS Light-Leading IPD Product Research and Development System

GRACESOLAR INTELLIGENT TRACKING SYSTEM SOLUTIONS

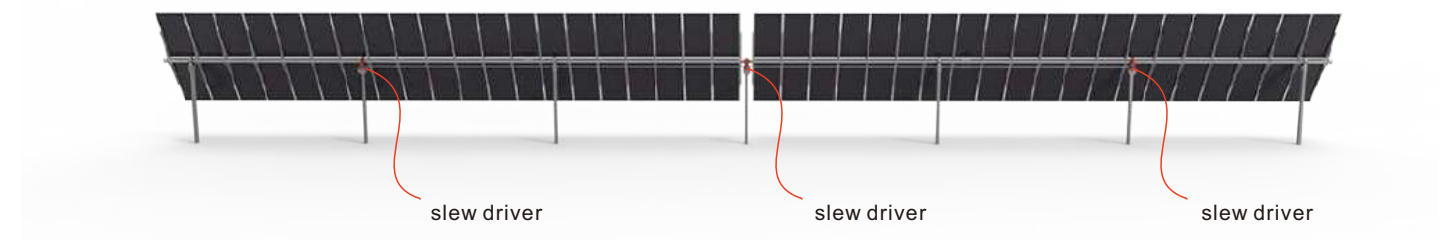


• GS Light-Features

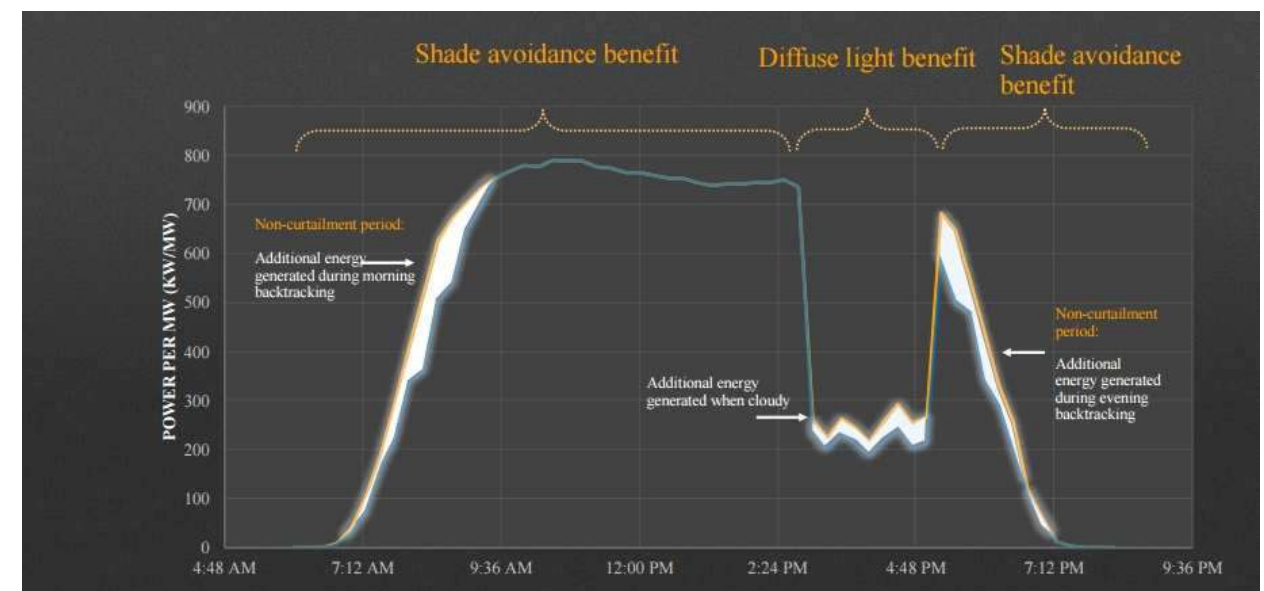
GRACESOLAR INTELLIGENT TRACKING SYSTEM SOLUTIONS

a. Advantages of Using Slew Driver

- Compared to Electric linear actuator drive, slew driver is stable and reliable, has lower failure rates, and lower maintenance costs;



- b. The power generation can be greatly increased by eliminating the shadow in sunrise and sunset + eliminating the difference of pile foundation height + mode of overcast day tracking



GS-Light Intelligent Tracking System Solution

Intelligent Tracking System (Independent Single Row) - 1P



Main tube optional:



Square tube Octagonal tube

• System Introduction

The self-developed independent single-row tracking bracket 1P system can adapt to the 20% slope of the north and south slopes, keep close to the ground, and have strong wind resistance. The standard product can install up to 90 modules, and the number of installed modules can be adjusted according to the string configuration and the size of the terrain. It is the best choice for irregular land power stations. The electronic control adopts the most advanced AI intelligent controller, which can be equipped with self-powered strings and small lithium battery panels.

• Suitable Power Plant Project

It is suitable for various power plant projects, especially in power plant projects with irregular land.

• Features

- Installation is more convenient;
- Customized quick control system debugging system;
- AI intelligent control system can increase production capacity output by 6%;
- The north-south slope can be adapted to 20%;
- Higher utilization rate of irregular land;
- DC string and lithium battery backup power supply, reducing LCOE cost.

• Technical Information

Mechanical Aspect

Tracker's overall north-south length limit	≤ 105m
Number of Reducers per Tracker	1
Tracking range	± 60°
Material	Hot-dip galvanized steel + aluminum-magnesium-zinc plate
East-west land slope	Unlimited
North-south land slope	< 20%
Module arrangement	Single row Portrait
Ground clearance	> 500mm, (customizable)
Foundation form	Ramming post, PHC pile, Concrete
Standard wind speed	≤ 60m/s, (ASCE7-10)
Protection wind speed	18m/s
Mechanical tracking accuracy	± 2°
Land occupation rate	30%
Grounding method	Self-grounding

Electrical Aspect

Drive way	Slew driver
Motor power	150W
Flat time	< 8 minutes
Controller	MCU
Control tracking accuracy	< 2°
Control mode	Astronomical Algorithm + Position Sensor Closed-Loop Control + AI Algorithm
Limit protection	Mechanical limit + motor hard limit + soft limit
Motor protection	Overheat protection, overcurrent protection, self-locking protection
Operating temperature	-30-+60°C
Protection level	IP65
Power consumption	< 0.04kWh/day
Power supply	String power supply/external power supply
Communication method	LoRa/Zigbee wireless communication or RS485
Signal transmission method	Wired/wireless optional

GS-Light Intelligent Tracking System Solution

Electrically synchronized multi-point drive - 1P



System Introduction

The self-developed single-row electrical Synchronous multi-point drive tracking system 1P can adapt to the 20% slope of the north and south slopes, keep close to the ground, and have strong wind resistance. The standard product can install up to 120 modules, and the number of installed modules can be adjusted according to the string configuration and the size of the terrain. It is the best choice for irregular land power stations. The electronic control adopts the most advanced AI intelligent controller, which can be equipped with self-powered strings and small lithium battery panels.

Suitable Power Plant Project

It is suitable for various power plant projects, especially in power plant projects with irregular land.

Features

- Installation is more convenient;
- Customized quick control system debugging system;
- AI intelligent control system can increase production capacity output by 6%;
- The north-south slope can be adapted to 20%;
- Higher utilization rate of irregular land;
- DC string and lithium battery backup power supply, reducing LCOE cost.

Technical Information

Mechanical Aspect

Tracker's overall north-south length limit	≤ 138m
Number of Reducers per Tracker	2~4
Tracking range	± 60°
Material	Hot-dip galvanized steel + aluminum-magnesium-zinc plate
East-west land slope	Unlimited
North-south land slope	< 20%
Module arrangement	Single row Portrait
Ground clearance	> 500mm, (customizable)
Foundation form	Ramming post, PHC pile, Concrete
Standard wind speed	≤ 60m/s, (ASCE7-10)
Protection wind speed	18m/s
Mechanical tracking accuracy	± 2°
Land occupation rate	30%
Grounding method	Self-grounding

Electrical Aspect

Drive way	Slew driver
Motor power	110W
Flat time	< 8 minutes
Controller	MCU
Control tracking accuracy	< 2°
Control mode	Astronomical Algorithm + Position Sensor Closed-Loop Control + AI Algorithm
Limit protection	Mechanical limit + motor hard limit + soft limit
Motor protection	Overheat protection, overcurrent protection, self-locking protection
Operating temperature	-30~+60°C
Protection level	IP65
Power consumption	< 0.04kWh/day (Per motor)
Power supply	String power supply/external power supply
Communication method	LoRa/Zigbee wireless communication or RS485
Signal transmission method	Wired/wireless optional

GS-Light Intelligent Tracking System Solution

Mechanically synchronized multi-point drive - 1P



System Introduction

Self-developed unique and highly reliable multi-point transmission tracking structure system, large torque tube, structure rigidity increased by 20%, can resist greater wind resistance, each row of trackers has 2 or more drivers, which is more improved accurate tracking accuracy and structural reliability, using the most advanced wind tunnel design, can adapt to multi-angle protection strategies, specifically designed for 182mm and 210mm large silicon high-power components.

Suitable Power Plant Project

It is suitable for various power plant projects, especially in power plants with bifacial double class module or high civil construction costs.

Features

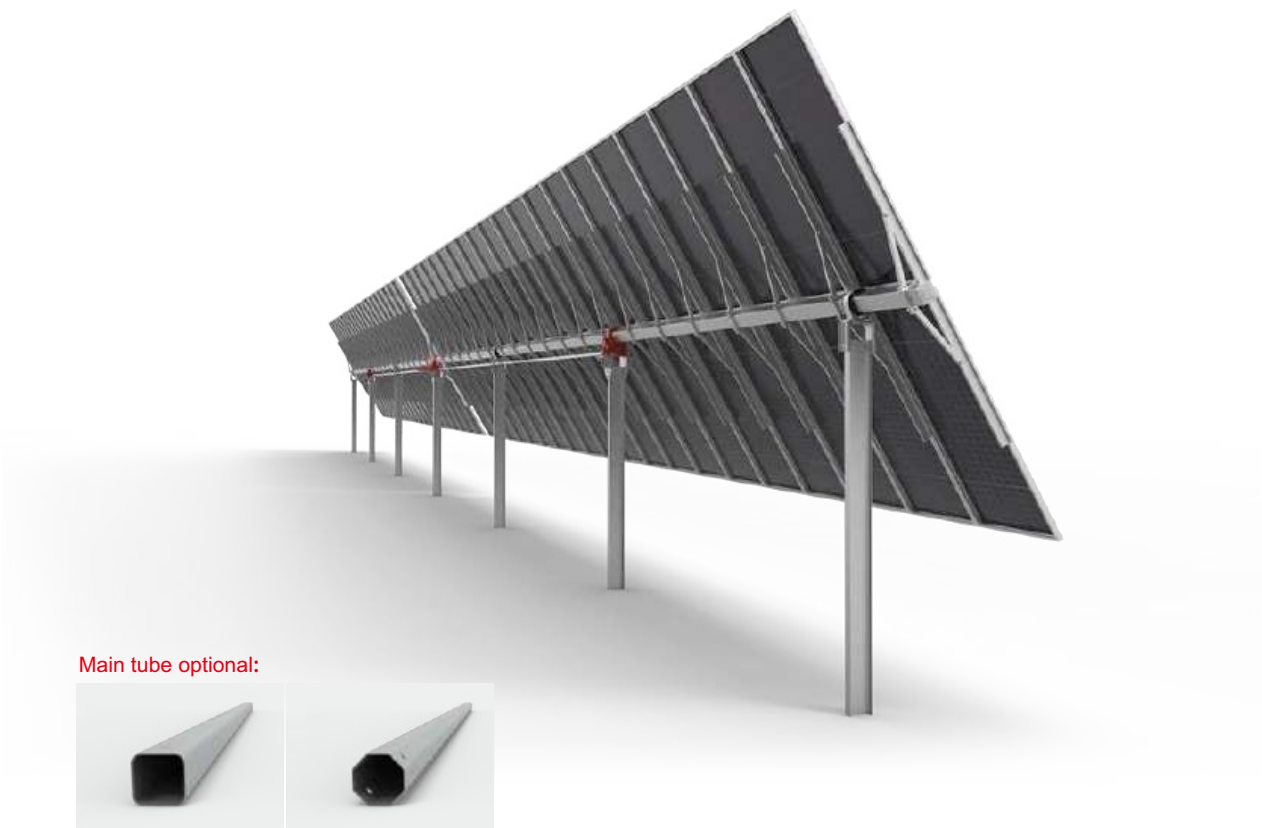
- 3 single-row drive devices, can improve the structural rigidity of the system and the system has stronger wind resistance;
- Adopt advanced AI intelligence and double-sided tracking algorithm, higher power generation;
- The column span is larger, the number of installed machines is less, and the construction cost is greatly reduced;
- Forward-looking design, applicable to 182mm and 210mm large silicon wafer high-power components, with a maximum of 120 modules;
- Differentiated column design, different pile foundations can be selected according to different geological conditions, the slope of 20% in the north and south can be realized, and the slope in the east-west direction is unlimited;
- The system has passed third-party testing and certification such as wind tunnel and TUV to ensure stable operation of the system for 25 years;
- It can be matched with AC or PV power supply to improve the stability of wireless transmission, take into account the laying of string and tracking cables, and greatly reduce the cost per kilowatt-hour (LCOE) of the power station.

Technical Information

Mechanical Aspect	
Tracker's overall north-south length limit	≤ 138m
Number of Reducers per Tracker	2~4
Tracking range	± 60°
Material	Hot-dip galvanized steel + aluminum-magnesium-zinc plate
East-west land slope	Unlimited
North-south land slope	< 20%
Module arrangement	Single row Portrait
Ground clearance	> 500mm, (customizable)
Foundation form	Ramming post, PHC pile, Concrete
Standard wind speed	≤ 60m/s, (ASCE7-10)
Protection wind speed	18m/s
Mechanical tracking accuracy	± 2°
Land occupation rate	32%
Grounding method	Self-grounding
Electrical Aspect	
Drive way	Linear actuator drive
Motor power	150W
Flat time	< 10 minutes
Controller	MCU
Control tracking accuracy	< 2°
Control mode	Astronomical Algorithm + Position Sensor Closed-Loop Control + AI Algorithm
Limit protection	Mechanical limit + motor hard limit + soft limit
Motor protection	Overheat protection, overcurrent protection, self-locking protection
Operating temperature	-30~+60°C
Protection level	IP65
Power consumption	< 0.04kWh/day
Power supply	String power supply/external power supply
Communication method	LoRa/Zigbee wireless communication or RS485
Signal transmission method	Wired / wireless optional

GS-Light Intelligent Tracking System Solution

Mechanically synchronized multi-point drive - 2P



Main tube optional:



Square tube

Octagonal tube

● System Introduction

Self-developed unique and highly reliable multi-point transmission tracking structure system, large torque tube, structure rigidity increased by 20%, can resist greater wind resistance, each row of trackers has 2 or more drivers, which is more improved accurate tracking accuracy and structural reliability, using the most advanced wind tunnel design, can adapt to multi-angle protection strategies, specifically designed for 182mm and 210mm large silicon high-power components.

● Suitable Power Plant Project

It is suitable for various power plant projects, especially in power plants with bifacial double class module or high civil construction costs.

● Features

- 3 single-row drive devices, can improve the structural rigidity of the system and the system has stronger wind resistance;
- Adopt advanced AI intelligence and double-sided tracking algorithm, higher power generation;
- The column span is larger, the number of installed machines is less, and the construction cost is greatly reduced;
- Forward-looking design, applicable to 182mm and 210mm large silicon wafer high-power components, with a maximum of 120 modules;
- Differentiated column design, different pile foundations can be selected according to different geological conditions, the slope of 20% in the north and south can be realized, and the slope in the east-west direction is unlimited;
- The system has passed third-party testing and certification such as wind tunnel and TUV to ensure stable operation of the system for 25 years;
- It can be matched with AC or PV power supply to improve the stability of wireless transmission, take into account the laying of string and tracking cables, and greatly reduce the cost per kilowatt-hour (LCOE) of the power station.

● Technical Information

Mechanical Aspect

Tracker's overall north-south length limit	≤ 95m
Number of Reducers per Tracker	3~5
Tracking range	± 60°
Material	Hot-dip galvanized steel + aluminum-magnesium-zinc plate
East-west land slope	Unlimited
North-south land slope	< 20%
Module arrangement	Double row Portrait
Ground clearance	> 500mm, (customizable)
Foundation form	Ramming post, PHC pile, Concrete
Standard wind speed	≤ 47m/s, (ASCE7-10)
Protection wind speed	18m/s
Mechanical tracking accuracy	± 2°
Land occupation rate	32%
Grounding method	Self-grounding

Electrical Aspect

Drive way	Linear actuator drive
Motor power	150W
Flat time	< 10 minutes
Controller	MCU
Control tracking accuracy	< 2°
Control mode	Astronomical Algorithm + Position Sensor Closed-Loop Control + AI Algorithm
Limit protection	Mechanical limit + motor hard limit + soft limit
Motor protection	Overheat protection, overcurrent protection, self-locking protection
Operating temperature	-30~+60°C
Protection level	IP65
Power consumption	< 0.04kWh/day
Power supply	String power supply/external power supply
Communication method	LoRa/Zigbee wireless communication or RS485
Signal transmission method	Wired / wireless optional

GS-Light Intelligent Tracking System Solution

Intelligent Tracking System (Double Row Linkage)



System Introduction

The self-developed two row linkage tracking system adopts larger cross-section and high-strength main beam, with better stiffness, higher natural vibration frequency and more safety and reliability. It is suitable for high-power and large-size modules. Compared with the conventional single row tracking system, the number of electric control and drive is twice less, and the failure rate is lower. Through wind tunnel test, a more reasonable wind resistance mechanism is obtained, which can more effectively protect the 25 year life of the power plant.

Suitable Power Plant Project

It is suitable for power plant projects with relatively flat land, especially in power plant projects with lower cost requirements.

Features

- The number of electronic controls and drives is small, and the failure rate is lower;
- Strong adaptability, simple installation, convenient operation and maintenance;
- More reasonable design, safer and more reliable;
- A more reasonable wind resistance mechanism through wind tunnel test;
- AI intelligent control system can increase production capacity output by 6%;
- DC string and lithium battery backup power supply, reducing LCOE cost.

Technical Information

Mechanical Aspect	
Tracker's overall north-south length limit	≤ 95m
Number of Reducers per Tracker	2
Tracking range	± 60°
Material	Hot-dip galvanized steel + aluminum-magnesium-zinc plate
East-west land slope	< 5%
North-south land slope	< 15%
Module arrangement	Single row Portrait, 2 rows linkage
Ground clearance	> 500mm, (customizable)
Foundation form	Ramming post, PHC pile, Concrete
Standard wind speed	≤ 47m/s, (ASCE7-10)
Protection wind speed	18m/s
Mechanical tracking accuracy	± 2°
Land occupation rate	30%
Grounding method	Self-grounding
Electrical Aspect	
Drive way	Slew driver
Motor power	150W
Flat time	< 8 minutes
Controller	MCU
Control tracking accuracy	< 2°
Control mode	Astronomical Algorithm + Position Sensor Closed-Loop Control + AI Algorithm
Limit protection	Mechanical limit + motor hard limit + soft limit
Motor protection	Overheat protection, overcurrent protection, self-locking protection
Operating temperature	-30~+60°C
Protection level	IP65
Power consumption	< 0.04kWh/day
Power supply	String power supply/external power supply
Communication method	LoRa/Zigbee wireless communication or RS485
Signal transmission method	Wired/wireless optional

GS-SMART

GROUND MOUNTING SYSTEM

PV Mounting System Solution



Easy to assemble



Convenient
maintenance



Safe and reliable



Nice appearance

**HIGH EFFICIENCY
HIGH QUALITY
HIGH INCOME**

GS-Smart Ground Mounting System Solution

Ground Mounting System

Aluminum alloy and Aluminium-Zinc-Magnesium coated steel are used for GS-ground mounting system. It can be customized to ensure safety, ease of installation and aesthetics. High quality-durability-standardization, fast installation and flexibility have become the most widely used solutions in Grace solar PV plant construction.



Carbon Steel

Carbon steel production: 300,000 t/y

Automated Production

a. Customizable carbon steel product specifications

Grace Solar has a 62,000m² machining center and various latest processing equipment, which can design the best carbon steel products according to the customer's on-site conditions.



Multi-function roller press



Large tonnage bending machine



Laser cutting workshop



Various tonnage punch presses

b. High-quality materials and surface anti-corrosion treatment

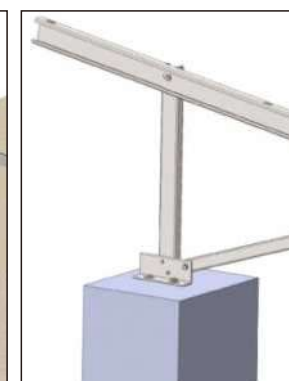
Aluminum-magnesium-zinc is selected, It has excellent anti-corrosion ability, can be directly processed and formed, and has a beautiful surface.



c. Four foundation styles



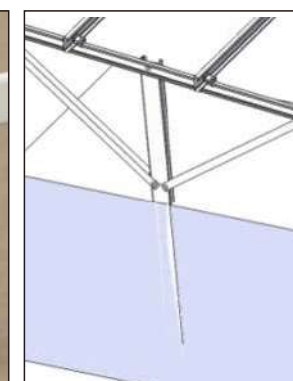
Concrete pre-buried foundation



Independent concrete foundation



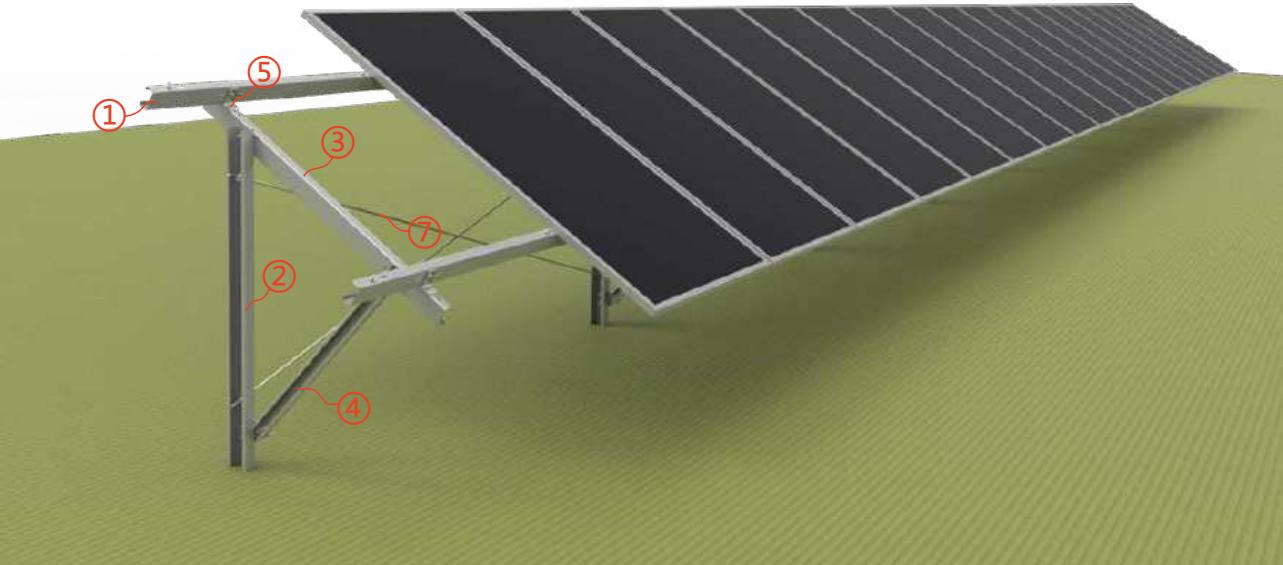
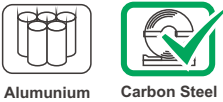
Ground screw foundation



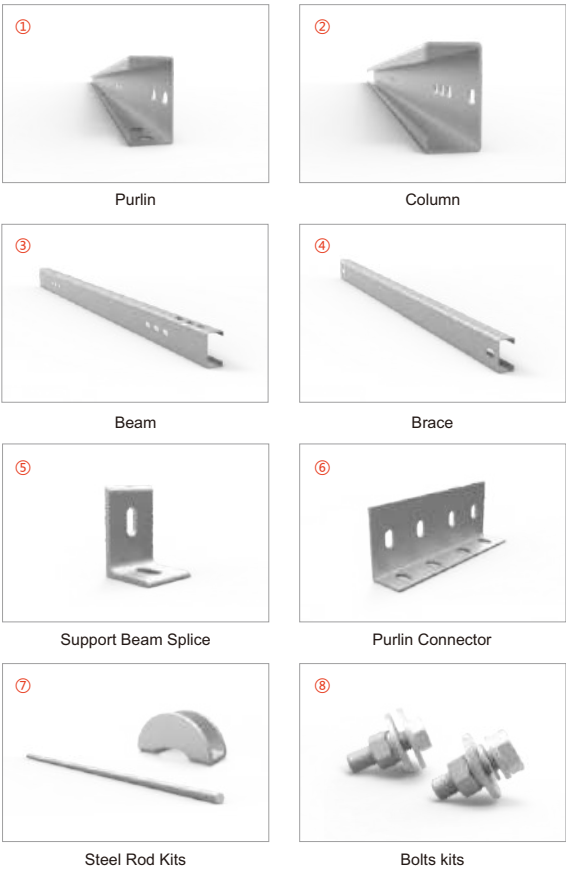
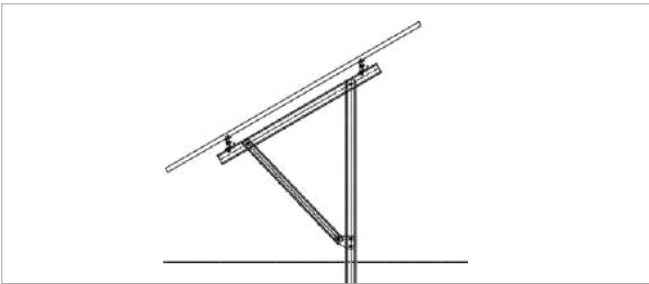
Pile foundation

Single Column Piling Ground Mounting System

Portrait Placement (Carbon steel)



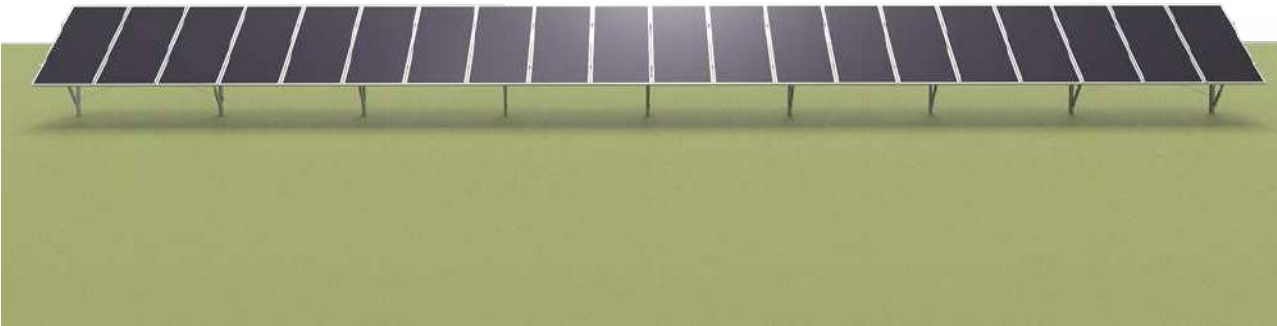
Installation site	Ground
Inclination	0-45°
Construction height	<9m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	Carbon steel & Alloy steel
Color	Silver or customized
Surface Treatment	Hot-dip galvanized or Aluminium-Zinc-Magnesium coated
Foundation	Concrete Foundation Ground Screw Foundation Pile Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years



Project Information

PV MODULE INFORMATION		DESIGN CONDITION	
Size	2278*1134*35mm	Clearance	700mm
Module Power	550W	North-south Span	/
Module Inclination (in degree)	30 deg	East-west Span	2800mm
Module arrangement	1 rows, 20 columns	Capacity	11000W
Number of installations	20 pcs	Maximum wind speed	25m/s

Arrangement

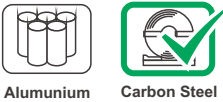


Component List

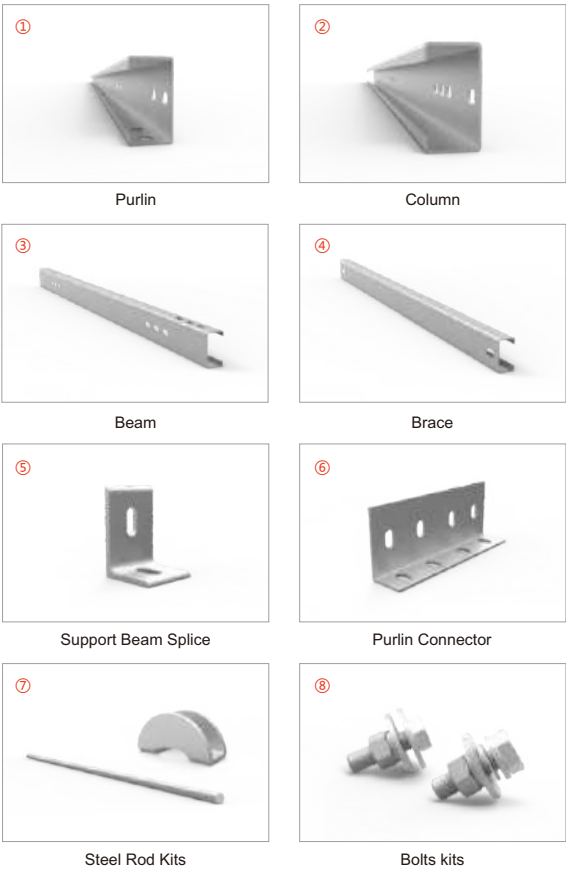
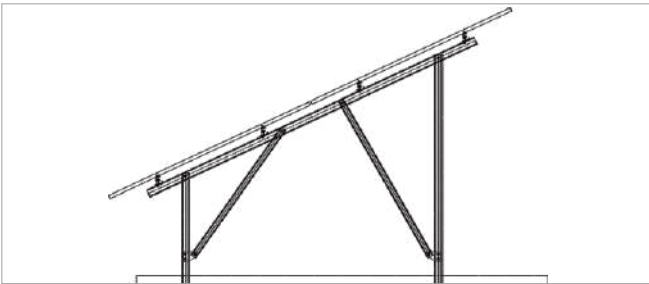
Description	Material	Specification	QTY
Column	Q355B & ZAM	3116mm	9 pcs
Beam	S450GD-ZM275	1430mm	9 pcs
Brace	S450GD-ZM275	1083mm	9 pcs
Purlin	S450GD-ZM275	5660mm	4 pcs
Purlin	S450GD-ZM275	3960mm	4 pcs
Purlin	S450GD-ZM275	3920mm	2 pcs
Purlin Connector	S450GD-ZM275	L80*40*3*210mm	8 pcs
Support Beam Splice	Q235B	L75*50*5*50mm	18 pcs
Support Chip	S350GD-ZM275	100*150*4mm	9 pcs
Steel Rod	Q235B	φ10*3100mm	4 pcs
Semicircular Gasket	Q235B	50*20*3*25mm	8 pcs
Bolts to Module	SUS304 (A2-70)	M8*20	80 pcs
Bolts kits	Class 8.8	M10*30	100 pcs
Bolts kits	Class 8.8	M12*40	45 pcs

Double Column Piling Ground Mounting System

Portrait Placement (Carbon steel)



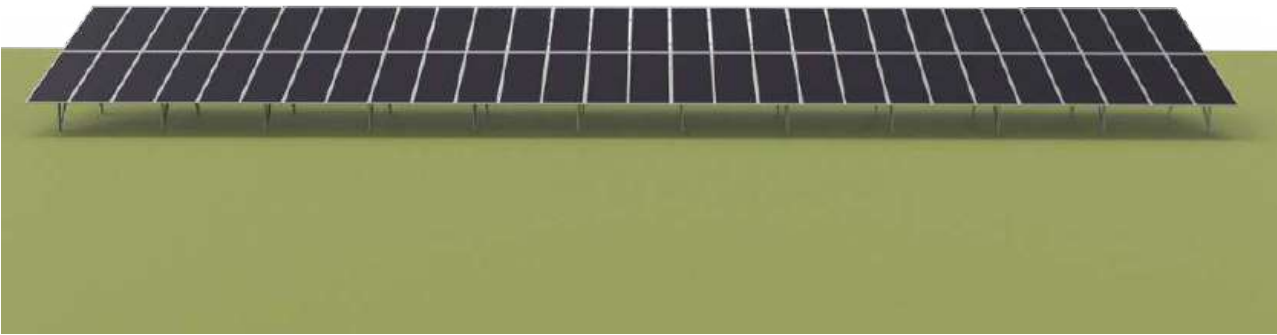
Installation site	Ground
Inclination	0-45°
Construction height	<9m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	Carbon steel & Alloy steel
Color	Silver or customized
Surface Treatment	Hot-dip galvanized or Aluminium-Zinc-Magnesium coated
Foundation	Concrete Foundation Ground Screw Foundation Pile Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years



Project Information

PV MODULE INFORMATION		DESIGN CONDITION	
Size	2278*1134*35mm	Clearance	800mm
Module Power	540W	North-south Span	2619mm
Module Inclination (in degree)	25 deg	East-west Span	2850mm
Module arrangement	2 rows, 28 columns	Capacity	30240W
Number of installations	56 pcs	Maximum wind speed	28m/s

Arrangement

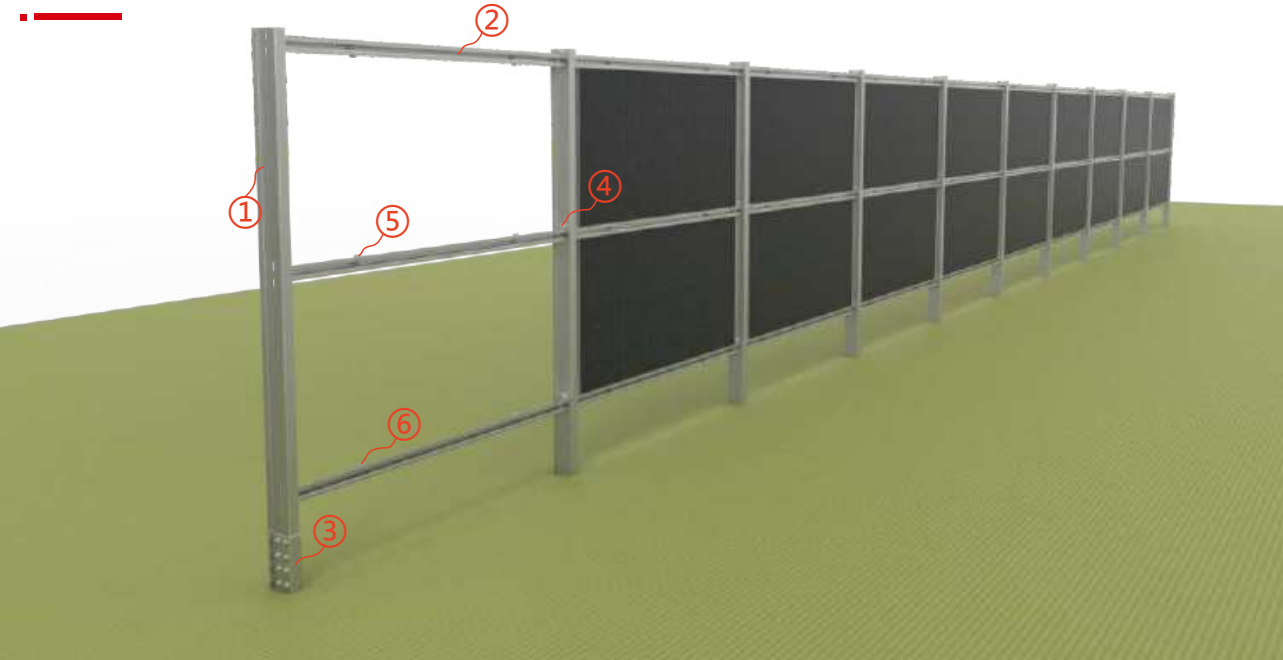
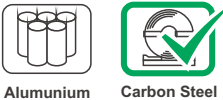


Component List

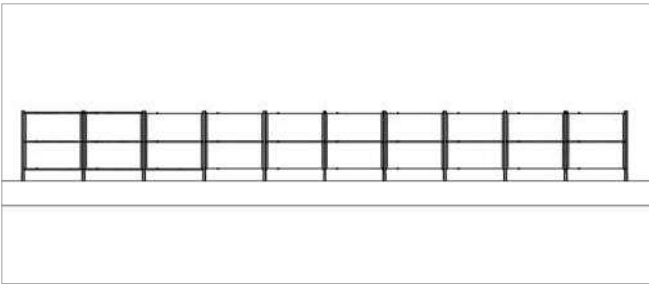
Description	Material	Specification	QTY
Column	Q355B & ZAM	2559mm	12 pcs
Column	Q355B & ZAM	4080mm	12 pcs
Beam	S450GD-ZM275	3730mm	12 pcs
Brace	S450GD-ZM275	1613mm	12 pcs
Brace	S450GD-ZM275	1859mm	12 pcs
Purlin	S450GD-ZM275	5500mm	8 pcs
Purlin	S450GD-ZM275	5690mm	12 pcs
Purlin	S450GD-ZM275	4292mm	4 pcs
Purlin Connector	S450GD-ZM275	L80*40*3*210mm	20 pcs
Support Beam Splice	Q235B	L75*50*5*50mm	48 pcs
Support Chip	S350GD-ZM275	100*150*4mm	24 pcs
Steel Rod	Q235B	φ10*3430mm	6 pcs
Semicircular Gasket	Q235B	50*20*3*25mm	12 pcs
Bolts to Module	SUS304 (A2-70)	M8*20	224 pcs
Bolts kits	Class 8.8	M10*30	256 pcs
Bolts kits	Class 8.8	M12*40	120 pcs

Single Column Vertical Mounting System

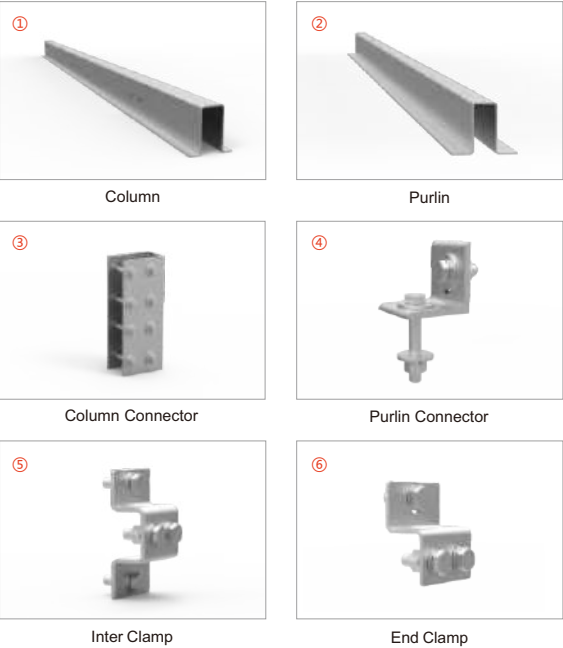
Landscape Placement (Carbon steel)



Installation site	Ground
Inclination	90°
Construction height	<3m
Maximum wind speed	<37m/s
Maximum snow cover	<50cm
Material	Q355B & ZAM
Color	Silver or customized
Surface Treatment	Hot-dip galvanized or Aluminium-Zinc-Magnesium coated
Foundation	Pile Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years



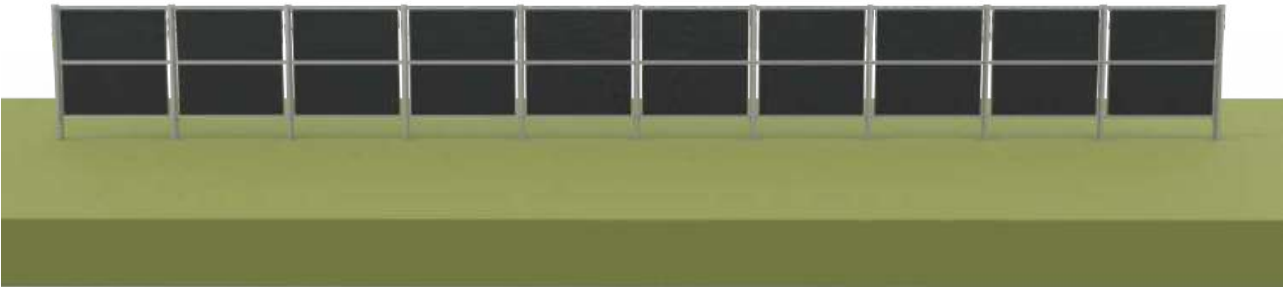
- **Sturdy Structure**
Made of high-strength carbon steel, it offers excellent wind and pressure resistance, ensuring stable operation in various environments.
- **Easy Installation**
With a simple design and minimal installation steps, it can be quickly set up, saving time and labor.
- **High Durability**
The carbon steel is treated with anti-corrosion protection, making it resistant to corrosion and aging, extending its service life, and reducing maintenance costs.



Project Information

PV MODULE INFORMATION		DESIGN CONDITION	
Size	2278*1134*30mm	Clearance	3000mm
Module Power	545W	North-south Span	/
Module Inclination (in degree)	90 deg	East-west Span	2500mm
Module arrangement	2 rows, 10 columns	Capacity	10900W
Number of installations	20 pcs	Design wind speed	37m/s

Arrangement

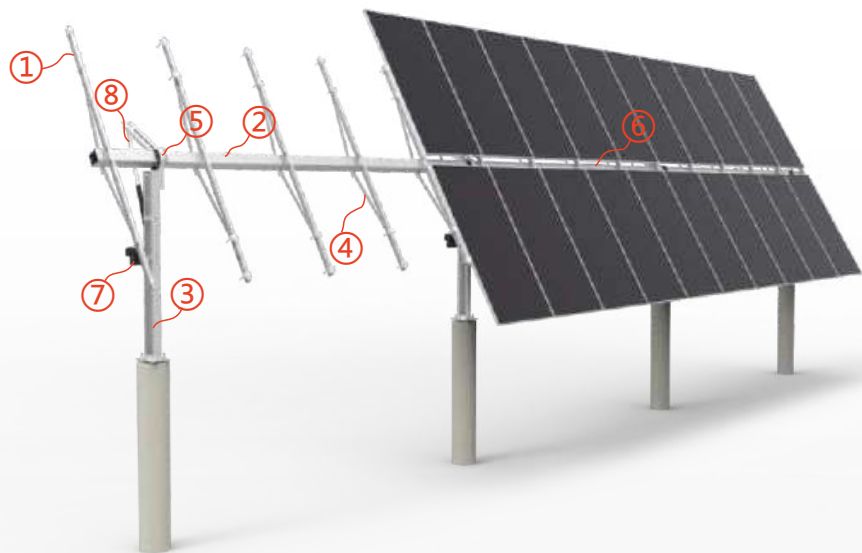
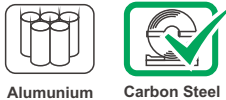


Component List

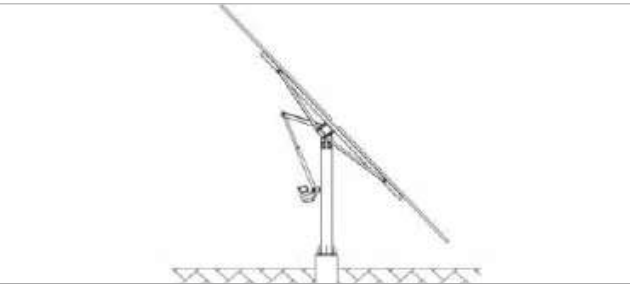
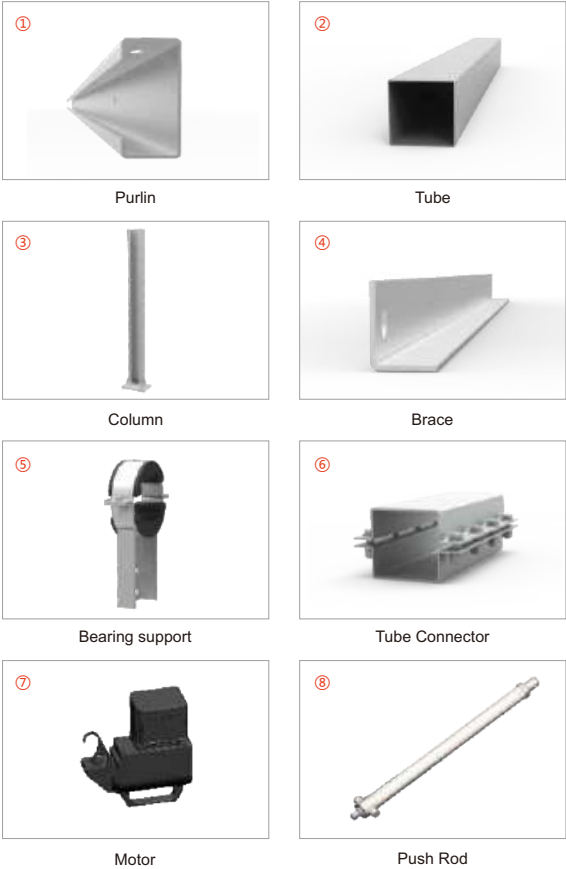
Description	Material	Specification	QTY
Column	Q355B	2000mm&2800mm	11 pcs
Column Connector	Q355B	300mm	11 pcs
Purlin	ZAM	2400mm	30 pcs
Purlin Connector	ZAM	50mm	120 pcs
Inter Clamp	ZAM	50mm	20 pcs
End Clamp	ZAM	50mm	40 pcs
Bolts kits	SUS304	M8*25	200 pcs
Bolts kits	HDG	M10*35	120 pcs
Bolts kits	HDG	M10*65	60 pcs
Bolts kits	HDG	M12*110	88 pcs

Adjustable Ground Mounting System

Portrait Placement (Carbon steel)



Installation site	Ground
Inclination	5-55°
Construction height	<9m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	Q355B, S350GD
Color	Silver or customized
Surface Treatment	Hot-dip galvanized Aluminium-Zinc-Magnesium coated
Foundation	Concrete Pre-buried Foundation C-shaped Pile Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years



Project Information

PV MODULE INFORMATION		DESIGN CONDITION	
Size	2278*1134*35mm	Clearance	500mm
Module Power	550W	North-south Span	/
Module Inclination (in degree)	5-55 deg	East-west Span	5000mm
Module arrangement	2 rows, 14 columns	Capacity	15400W
Number of installations	28 pcs	Maximum wind speed	60m/s

Arrangement

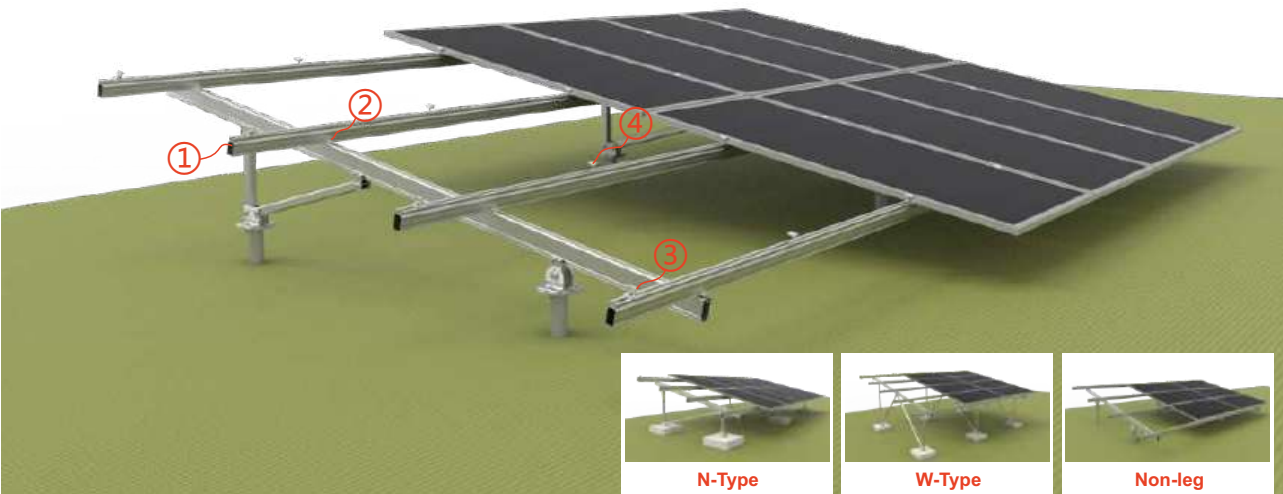


Component List

Description	Material	Specification	QTY
Column	Q355B	1800mm	4 pcs
Bearing support	Q355B	284*285*60mm	4 pcs
Bearing Cover	Q355B	R97.5*285*60mm	4 pcs
Tube Plastic Bearing	POM	122mm	8 pcs
Tube	S350GD-ZM275	9000mm	1 pcs
Tube	S350GD-ZM275	7250mm	1 pcs
Tube Connector	Q355B	300mm	2 pcs
Push Rod Arm	Q355B	600mm	4 pcs
Push Rod Base	Q355B	125*110*80mm	4 pcs
Push Rod Base	Q355B	58*110*80mm	4 pcs
Linear Actuator	-	Stroke Length 500mm	4 pcs
Purlin	S350GD-ZM275	2900mm	15 pcs
Brace	S350GD-ZM275	1100mm	30 pcs
Brace Connector	Q355B	200mm	15 pcs
Purlin Spacer	Q235B	180mm	15 pcs
Middle Plate	Q235B	84mm	52 pcs
Side Plate	Q235	40mm	8 pcs
Wireless Adjustment Tool	-	-	4 pcs
Inclinometer	-	-	1 pcs
Remote Control	-	-	1 pcs

A-Type Ground Mounting System

Portrait Placement (Aluminum alloy)



N-Type



W-Type



Non-leg

Installation site	Ground
Inclination	0-60°
Construction height	<9m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	High-strength aluminum alloy & A2-70
Surface Treatment	Anodizing or electrophoresis
Color	Silver or customized
Foundation	Concrete Foundation Ground Screw Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years



Rail



Rail Clamp

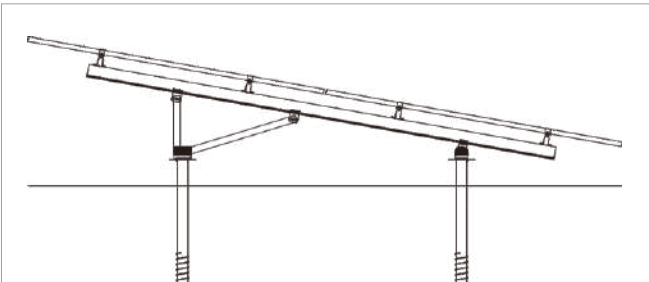


End Clamp



Inter Clamp

Pre-assembly



Project Information

PV MODULE INFORMATION	
Size	2278*1134*35mm
Module Power	555W
Module Inclination (in degree)	10 deg
Module arrangement	2 rows, 6 columns
Number of installations	12 pcs

DESIGN CONDITION	
Clearance	296mm
North-south Span	2119mm
East-west Span	3000mm
Capacity	6600W
Maximum wind speed	30m/s

Arrangement

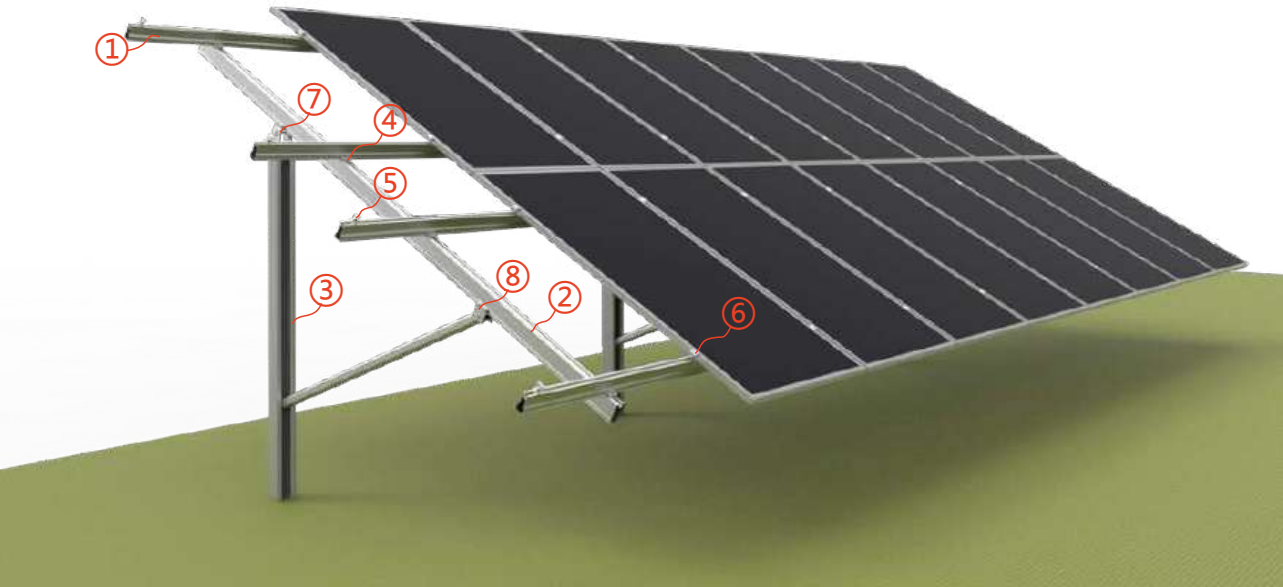


Component List

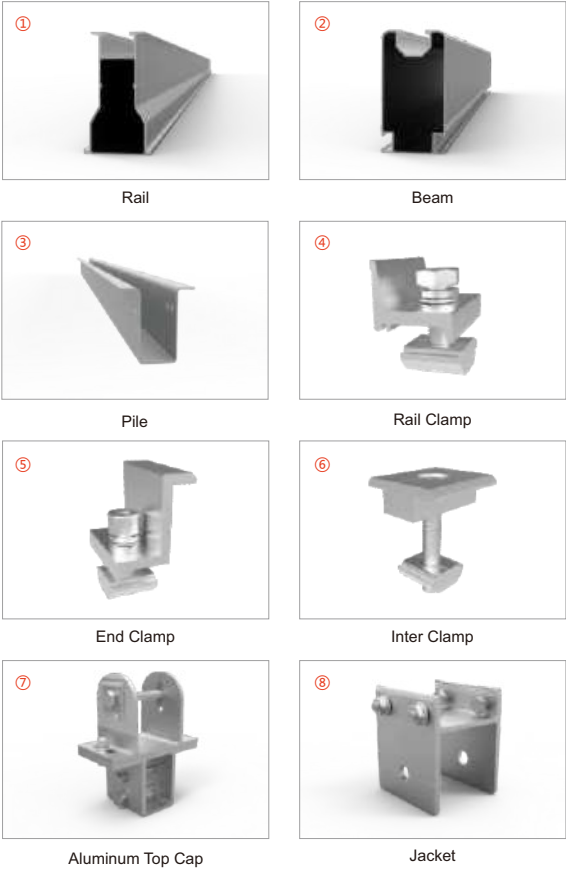
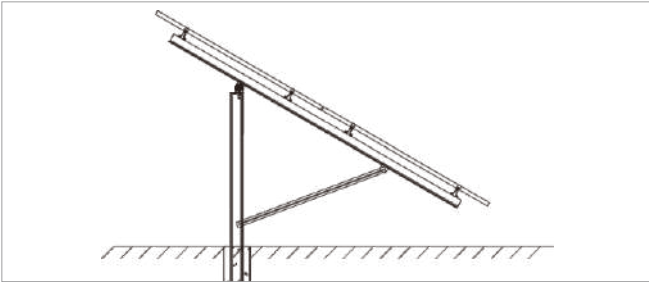
Description	Material	Specification	QTY
Rail	AL 6005-T5	3550mm	8 pcs
Rail Splice	AL 6005-T5	200mm	4 pcs
Rail Clamp	AL 6005-T5&SUS 304	60mm	24 pcs
Inter Clamp	AL 6005-T5&SUS 304	35mm	20 pcs
End Clamp	AL 6005-T5&SUS 304	35mm	8 pcs
Support Beam Kits	AL 6005-T5&SUS 304	3700mm	3 pcs
Tube	AL 6005-T5	870mm	3 pcs
Tube	AL 6005-T5	440mm	3 pcs
Base	AL 6005-T5&SUS 304	100*160mm	3 pcs
Base	AL 6005-T5&SUS 304	130*160mm	3 pcs
Ground Screw	Q235	1600mm	6 pcs
Grounding Clip	SUS 304	34*34mm	10 pcs
Grounding Lug	SUS 304	20mm	2 pcs

Single Column Piling Ground Mounting System

Portrait Placement (Aluminum alloy)



Installation site	Ground
Inclination	0-45°
Construction height	<9m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	High-strength aluminum alloy & A2-70
C-shaped steel material	Carbon steel SS400
Color	Silver or customized
Surface Treatment	Aluminum alloy anodizing Carbon steel hot-dip galvanizing
Foundation	Concrete Pre-buried Foundation C-shaped Pile Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years



Project Information

PV MODULE INFORMATION		DESIGN CONDITION	
Size	2187*1102*35mm	Clearance	500mm
Module Power	495W	North-south Span	2220mm
Module Inclination (in degree)	30 deg	East-west Span	3000mm
Module arrangement	2 rows, 9 columns	Capacity	8910W
Number of installations	18 pcs	Maximum wind speed	37m/s

Arrangement

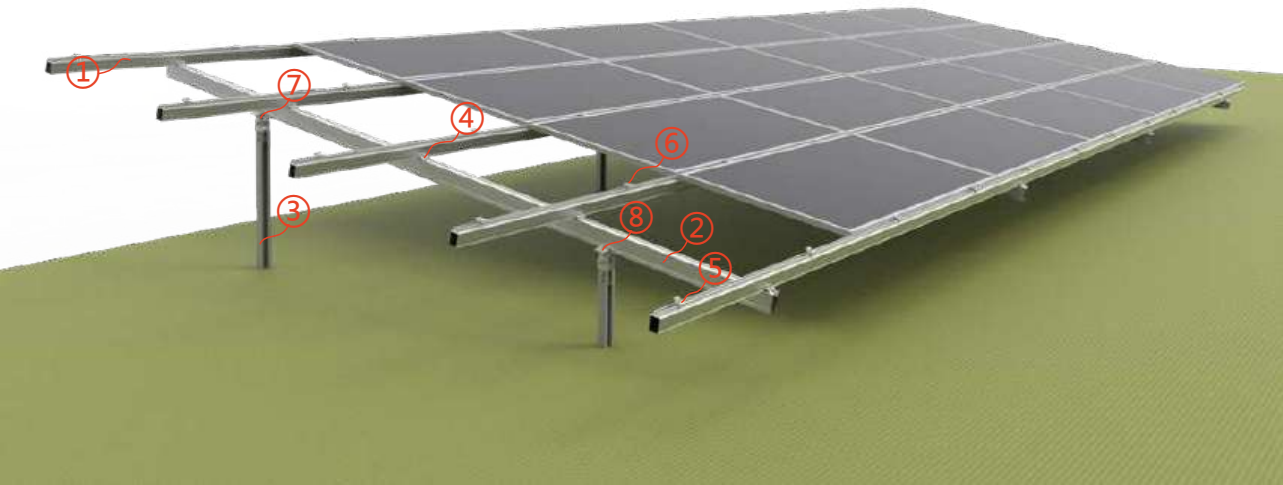


Component List

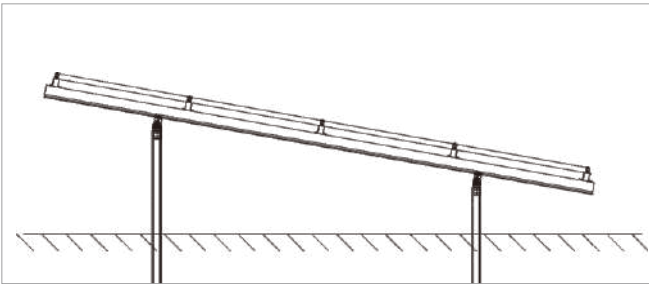
Description	Material	Specification	QTY
Rail	AL 6005-T5	3400mm	12 pcs
Rail Splice	AL 6005-T5	200mm	8 pcs
Rail Clamp	AL 6005-T5&SUS 304	60mm	32 pcs
Inter Clamp	AL 6005-T5&SUS 304	35mm	32 pcs
End Clamp	AL 6005-T5&SUS 304	35mm	8 pcs
Beam	AL 6005-T5&SUS 304	3800mm	4 pcs
Aluminum Top Cap	AL 6005-T5&SUS 304	150*120*80mm	8 pcs
Tube	AL 6005-T5	1810mm	4 pcs
Open post	Q235	3550mm	4 pcs
Grounding Clip	SUS 304	34*34mm	20 pcs
Grounding Lug	SUS 304	20mm	4 pcs

Double Column Piling Ground Mounting System

Landscape Placement (Aluminum alloy)



Installation site	Ground
Inclination	0-45°
Construction height	<9m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	High-strength aluminum alloy & A2-70
C-shaped steel material	Carbon steel SS400
Color	Silver or customized
Surface Treatment	Aluminum alloy anodizing Carbon steel hot-dip galvanizing
Foundation	Concrete Pre-buried Foundation C-shaped Pile Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years



Project Information

PV MODULE INFORMATION		DESIGN CONDITION	
Size	2256*1133*35mm	Clearance	500mm
Module Power	540W	North-south Span	2757mm
Module Inclination (in degree)	10 deg	East-west Span	3600mm
Module arrangement	4 rows, 6 columns	Capacity	12960W
Number of installations	24 pcs	Maximum wind speed	37m/s

Arrangement

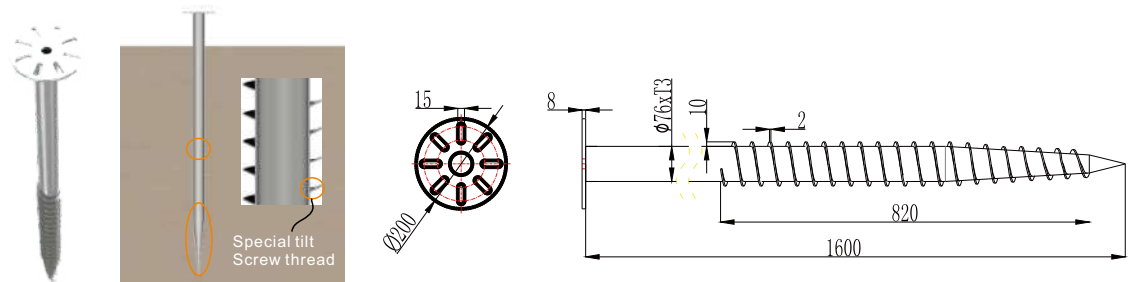


Component List

Description	Material	Specification	QTY
Rail	AL 6005-T5	4600mm	10 pcs
Rail	AL 6005-T5	3600mm	5 pcs
Rail Splice	AL 6005-T5	200mm	10 pcs
Rail Clamp	AL 6005-T5&SUS 304	60mm	20 pcs
Inter Clamp	AL 6005-T5&SUS 304	35mm	36 pcs
End Clamp	AL 6005-T5&SUS 304	35mm	24 pcs
Beam	AL 6005-T5&SUS 304	4800mm	4 pcs
Aluminum Top Cap	AL 6005-T5&SUS 304	60mm	8 pcs
Open post	Q235	2000mm	4 pcs
Open post	Q235	2500mm	4 pcs
Grounding Clip	SUS 304	34*34mm	24 pcs
Grounding Lug	SUS 304	20mm	2 pcs

GS-Smart Ground Mounting System Solution

Ground Screw



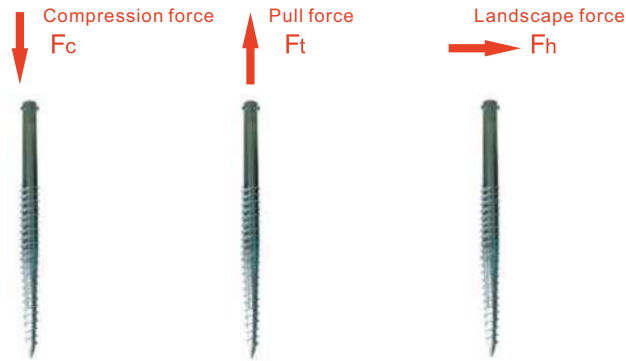
The conical shape ensures the safety and stability of the ground screw.

Product introduction

GS ground screw is a new foundation in the ground mounting system for solar power generation, because it is widely adopted for environmental protection. The installation is convenient, the installation time is shortened, and the construction cost is greatly saved. It uses a special inclined screw thread design to ensure its safety and stability.

Product parameter

- Number: GS-F76C-1600-T3
- Material: Iron. IS0630 Fe360A
- Surface treatment: Galvanized ISO 1461
- Length: 1600mm
- External diameter: 76mm
- Internal diameter: 70mm
- Flange diameter: 200mm

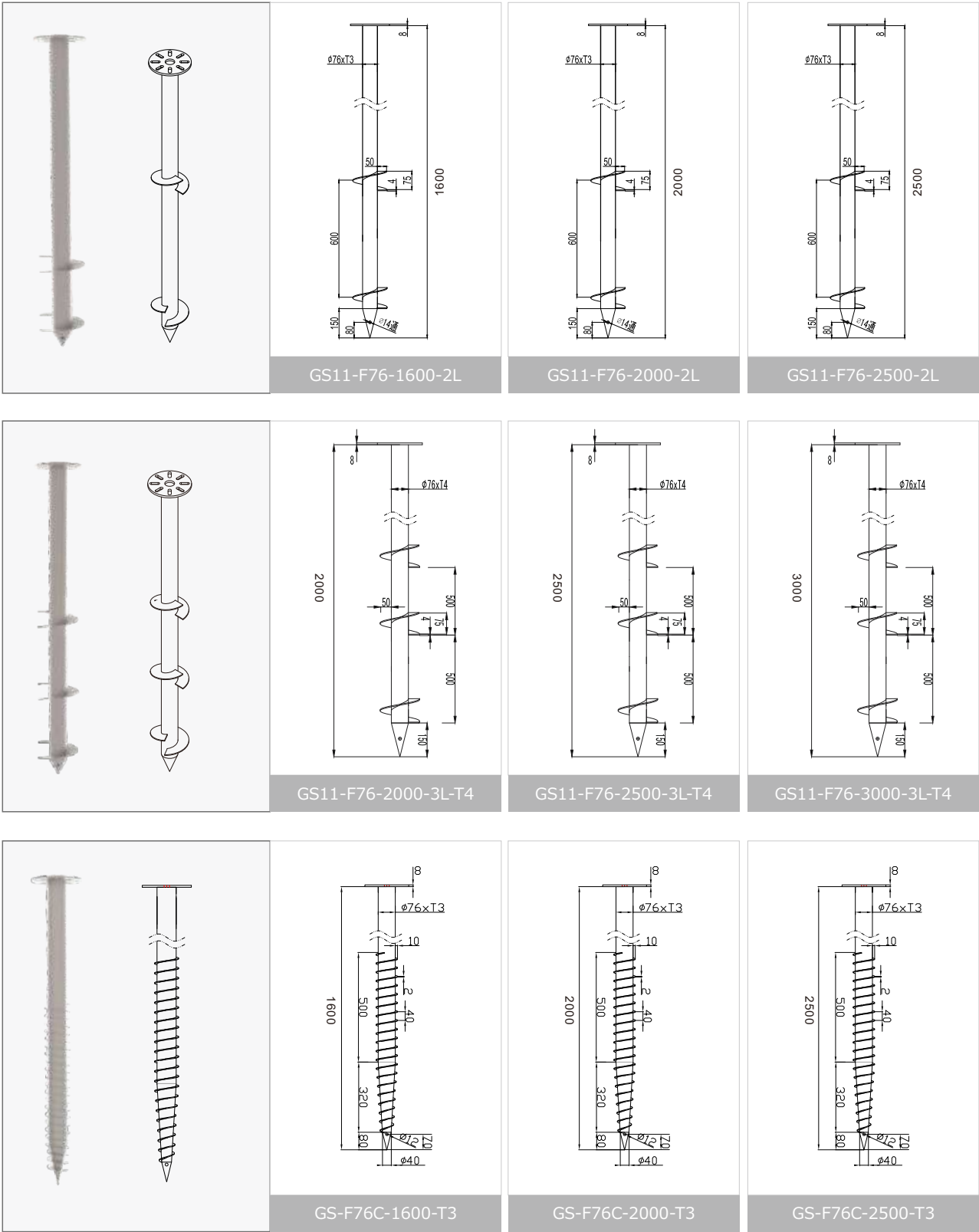


Number	Pipe diameter mm	Pipe thickness mm	Fc KN	Ft KN	Fh KN
GS-76C-1600-T3	76	3.0	32	20	8.5

- The length of the numbered ground screw can be customized.
- Commonly used ground screw lengths are : 1200mm,1600mm,1800mm,2000mm,2500mm.



Ground Screw Types



GS-ENERGY

ROOF MOUNTING SYSTEM

PV Mounting System Solution

**SELF-SUFFICIENCY,
SURPLUS POWER GRID CONNECTED
TO GENERATE INCOME**



Easy to assemble



Convenient
maintenance



Safe and reliable



High durability

Carbon Steel Roof Mounting System

GS-Energy Solar Roof Mounting System

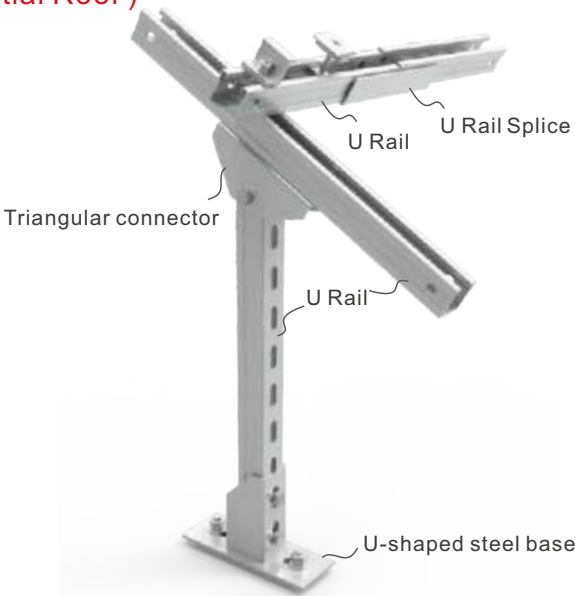
The GS Carbon Steel Roof Mounting System employs a double-folded U-shaped steel design. It is suitable for flat roofs and fixed by precast concrete bases and carbon steel & alloy steel combined. Featuring a safe and simple design and easy installation, it fixes PV modules through matching clamps within commercial or residential rooftop solar system planning.



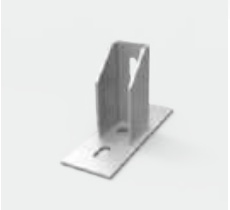
• Pitched Roof (Industry · Commercial · Residential Roof)

Technical Information

- Installation site: Roof
- Angle: 0-45°
- Material: Carbon steel & Alloy steel
- Color: Silver or customized
- Surface treatment: Hot-dip galvanized or Aluminium-Zinc-Magnesium coated
- Foundation: Concrete Foundation
- Maximum wind speed: <60m/s
- Maximum snow cover: <200cm
- Reference standards: ASCE7-10 & Other
- Quality assurance: 10-year quality assurance



Component

				
Rail GS50-U4141-L	Rail GS50-U4162-L	Rail Splice GS50-U4141-SP	U-shaped Steel Base GS50-U41S-200A	Triangular Connector GS50-U4963S-150A
				
Inter Clamp GS-U-IC-F	End Clamp GS-U-EC-F	Rail Clamp	Bolts kits	Bolts kits

Specification parameters

Item No.	Name	Description	Material
GS50-U4121-L	41x21 Double-Folded U-Shaped Steel	41x21mm (Custom length available)	Carbon Steel & Alloy Steel
GS50-U4131-L	41x31 Double-Folded U-Shaped Steel	41x31mm (Custom length available)	Carbon Steel & Alloy Steel
GS50-U4141-L	41x41 Double-Folded U-Shaped Steel	41x41mm (Custom length available)	Carbon Steel & Alloy Steel
GS50-U4152-L	41x52 Double-Folded U-Shaped Steel	41x52mm (Custom length available)	Carbon Steel & Alloy Steel
GS50-U4162-L	41x62 Double-Folded U-Shaped Steel	41x62mm (Custom length available)	Carbon Steel & Alloy Steel
GS50-U4172-L	41x72 Double-Folded U-Shaped Steel	41x72mm (Custom length available)	Carbon Steel & Alloy Steel
GS50-U4182-L	41x82 Double-Folded U-Shaped Steel	41x82mm (Custom length available)	Carbon Steel & Alloy Steel

Triangle Bracket Mounting System

GS-Energy Solar Roof Mounting System

GS's latest triangle system is suitable for Roof and Ground with certain angles. This latest triangle system is light, flexible and strong. It is easy to assemble and can be done with one tool. It can also be folded during packaging, and can be used together with other products of our company.

Installation site	Commercial and Residential Roof		
Angle	Parallel roof (10-60deg)	Material	High-strength aluminum alloy & Stainless steel
Building height	Below 20m	Color	Silver or customized
Maximum wind speed	<60m/s	Surface treatment	Anodizing & Stainless steel
Maximum snow cover	<1.4KN/m ²	Quality assurance	10-year quality assurance
Reference standards	AS/NZS 1170 & EN1991 & Other	Usage time	More than 20 years



- Flat Roof (Industry · Commercial · Residential Roof)

NT Triangle Bracket



Solar Panels Size 1722*1134*35	Rail GS-DR-L	Bracket GS-NT01-C10	Rail Clamp GS-RC-D	Inter Clamp GS-IC-F35	End Clamp GS-EC-F35
Angle: 10 deg Array: 1x4	2 pcs	3 pcs	6 pcs	6 pcs	4 pcs
Solar Panels Size 2278*1134*35	Rail GS-DR-L	Bracket GS-NT03-C10	Rail Clamp GS-RC-D	Inter Clamp GS-IC-F35	End Clamp GS-EC-F35
Angle: 10 deg Array: 1x4	2 pcs	3 pcs	6 pcs	6 pcs	4 pcs

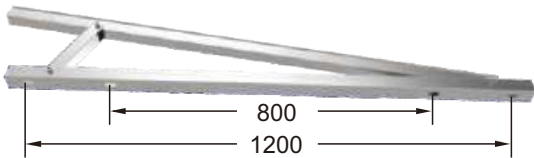
KNT Triangle Bracket



Solar Panels Size 1722*1134*35	Bracket GS-KNT2000-C10	Inter Clamp GS-KIC-F35	End Clamp GS-KEC-F35
Angle: 10 deg Array: 2x2	3 pcs	4 pcs	8 pcs

• Flat Roof (Industry · Commercial · Residential Roof)

NT Triangle Bracket



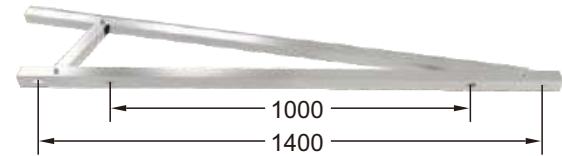
GS-NT01-XX

- For module length less than 1700mm



GS-NT02-XX

- For module length less than 1200mm

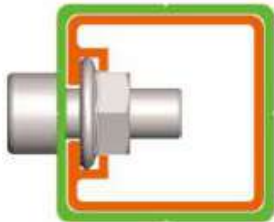


GS-NT03-XX

- For module length less than 2300mm

Feature

- Main material: Anodized Al6005-T5
- Fasten material: SUS A2-70
- Fixed angle from 5~60deg



Telescope Solution

GS-NT03-C12/20

- For module length less than 2300mm
- Angle is adjustable from 12 to 20deg

GS-NT03-C15/30

- For module length less than 2300mm
- Angle is adjustable from 15 to 30deg

Item No.	Description	Angle
GS-NT01-C10	NT Tri-angle Bracket 01, 10deg	10deg
GS-NT02-C10	NT Tri-angle Bracket 02, 10deg	10deg
GS-NT03-C12/20	AD NT Tri-angle Bracket 03, 12-20deg	12-20deg
GS-NT03-C15/30	AD NT Tri-angle Bracket 03, 15-30deg	15-30deg

GS-RC-D	GD Rail Clamp
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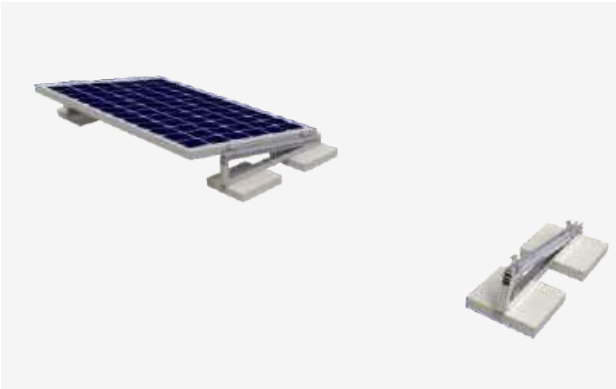


GS-RC-D

- Clamp the GD Rail on the NT Tri-angle bracket

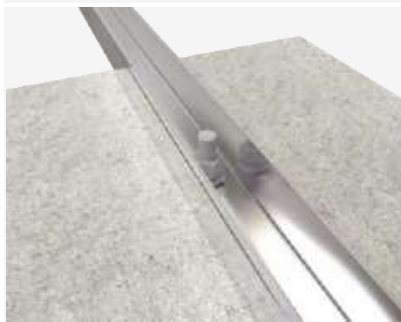
• Flat Roof (Industry · Commercial · Residential Roof)

KNT Triangle Bracket



Solar Panels Size 1722*1134*35	Bracket GS-KNT800-C10	Inter Clamp GS-KIC-F35	End Clamp GS-KEC-F35
Angle: 10 deg Array: 1x2	3 pcs	2 pcs	4 pcs

Installation Guide



a. Fixed the bottom base with concrete foundation

b. Place the modules

c. Fasten the module

Item No.	Description	Placement	Angle
GS-KNT2000-C10	KNT Bracket 2000-10deg	2x2, landscape	Fixed 10deg

Ballast Bracket Mounting System

GS-Energy Solar Roof Mounting System

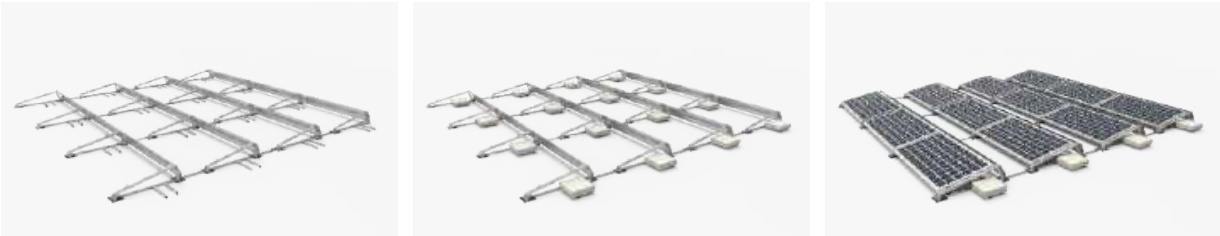
The GS Ballast Bracket is an excellent engineering solution to secure the array of solar panels on flat roofs without damaging the roof. It is compatible with most types of solar panels on the market and requires virtually no drilling on the roof.

Installation site	Commercial and Residential Roof		
Angle	Parallel roof (5,10,15,20 deg)	Material	High-strength aluminum alloy & Stainless steel
Building height	Below 20m	Color	Silver or customized
Maximum wind speed	<60m/s	Surface treatment	Anodizing & Stainless steel
Maximum snow cover	<1.4KN/m ²	Quality assurance	10-year quality assurance
Reference standards	AS/NZS 1170 & EN1991 & Other	Usage time	More than 20 years

Flat Roof (Industry · Commercial · Residential Roof)

BM3 Ballast System (One-way Design)

The BM3 ballast system is suitable for flat roofs with a certain angle installation required which is flexible and easy to install. And the wind-shielding structure improves the wind resistance of the entire system.



Component List

Item No.	Description	QTY	Material
GS-BM3-T10	BM3 bracket, 10deg	12 pcs	AL6005-T5
GS-KIC-F35/40	Inter clamp 35-40	12 pcs	AL6005-T5
GS-KEC-F40	End clamp 40	12 pcs	AL6005-T5
GS-BM-CT-400	Landscape link tube, 400	12 pcs	AL6005-T5
GS-BM2-V450	Portrait link tube, 450	12 pcs	AL6005-T5
GS-BM2-WA 1720	Wind deflection, 1720mm	12 pcs	Q235
GS-BM2-A01	Accessories	12 pcs	A2-70

• Flat Roof (Industry · Commercial · Residential Roof)

BM5 Ballast System (One-way Design)



Component List (3*3)

Item No.	Description	QTY	Material
GS-BM5-T10	BM5 triangle bracket assembly (10 deg)	18 pcs	AL6005-T5
GS-EC-F35	End clamp	36 pcs	AL6005-T5
GS-BM5-CT-1350	Thickness-reduced ballast connecting square tube 1350	18 pcs	AL6005-T5
GS-BM5-CT-838	Thickness-reduced ballast connecting square tube 838	12 pcs	AL6005-T5
GS-BM2-V225	BM2 vertical connecting inner tube 225	12 pcs	AL6005-T5
GS-G-GC	Grounding clip	18 pcs	AL6005-T5
GS-G-GL	Grounding lug	9 pcs	AL6005-T5

• Flat Roof (Industry · Commercial · Residential Roof)

Case Sharing



Tile Roof Mounting System

GS-Energy Solar Roof Mounting System

The GS Tile Roof Mounting System Solution is designed for a wide range of roofs, including asphalt shingle, slate tiles and Roman concrete roof tile. Grace designs different types of hooks for different styles of roof tiles. When installing the system, the hooks are fixed on the purlins by bolting (drilling) or clamping (no drilling), and then rails are installed to support the solar panels to form a photovoltaic roof system. By adjusting the span of the hook, it can resist different wind and snow loads and has great flexibility. Moreover, the overall construction is easy and low maintenance costs.

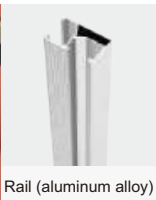
Installation site	Residential Roof		
Angle	Parallel roof (10-60deg)	Material	High-strength aluminum alloy & Stainless steel
Building height	Below 20m	Color	Silver or customized
Maximum wind speed	<60m/s	Surface treatment	Anodizing & Stainless steel
Maximum snow cover	<1.4KN/m ²	Quality assurance	10-year quality assurance
Reference standards	AS/NZS 1170 & EN1991 & Other	Usage time	More than 20 years



● Pitched Roof (Residential Roof)

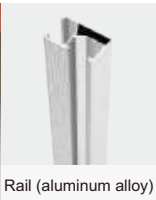


The GS Tile Roof hook series are suitable for building roofs with different tile types (asphalt shingle, slate and Roman concrete roof etc), thicknesses, shapes and purlin structures, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-01

Item No.	Description	Size(mm)	Package
GS-IK-01	Stainless Steel Hook 1# Kit	166*105*30*5	10 kits/box 4 boxes/CTN
GS-IK-01-ND	Stainless Steel Hook 1# Kit (without tilt module)	166*105*30*5	10 kits/box 4 boxes/CTN



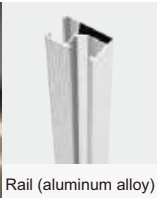
GS-AIK-01

Item No.	Description	Size(mm)	Package
GS-AIK-01	Aluminum Roof Hook 1# Kit	188*150*173	12 kits/box 4 boxes/CTN

● Pitched Roof (Residential Roof)

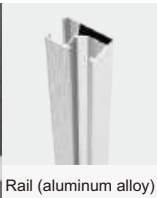


The GS Tile Roof hook series are suitable for building roofs with different tile types (asphalt shingle, slate and Roman concrete roof etc), thicknesses, shapes and purlin structures, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-02

Item No.	Description	Size(mm)	Package
GS-IK-02	Stainless Steel Hook 2# Kit	286*166*30*5	30 kits/box 2# 2 boxes 2#/CTN
GS-IK-02-ND	Stainless Steel Hook 2# Kit (without tilt module)	286*166*30*5	30 kits/box 2# 2 boxes 2#/CTN



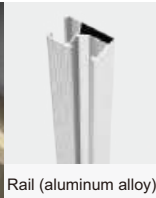
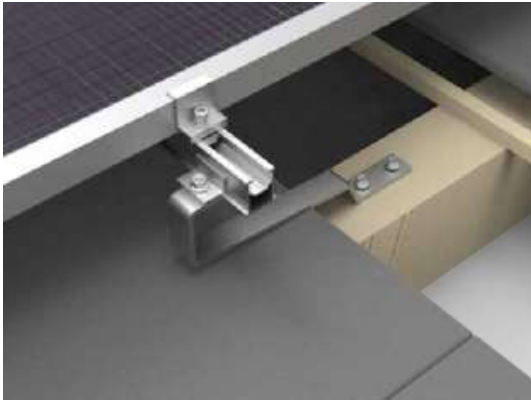
GS-IK-02-A

Item No.	Description	Size(mm)	Package
GS-IK-02-A	Stainless Steel Hook 2# A type	317.5*167*30*5	10 kits/box 2# 2 boxes 2#/CTN

● Pitched Roof (Residential Roof)

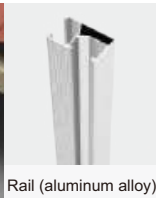


The GS Tile Roof hook series are suitable for building roofs with different tile types (asphalt shingle, slate and Roman concrete roof etc), thicknesses, shapes and purlin structures, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-02-C

Item No.	Description	Size(mm)	Package
GS-IK-02-C	Stainless Steel Hook 2# C type	286*166*30*5	30 kits/box 2# 2 boxes 2#/CTN



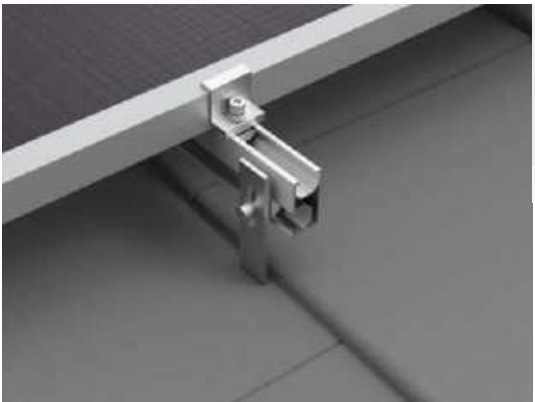
GS-AIK-02

Item No.	Description	Size(mm)	Package
GS-AIK-02-ST	Aluminum Roof Hook 2# Kit (with self tapping screw)	168*40	10 kits/box 4 boxes/CTN
GS-AIK-02	Aluminum Roof Hook 2# Kit	168*40	10 kits/box 4 boxes/CTN

● Pitched Roof (Residential Roof)



The GS Tile Roof hook series are suitable for building roofs with different tile types (asphalt shingle, slate and Roman concrete roof etc), thicknesses, shapes and purlin structures, and are easy to install.
Note: Products can be customized according to the project needs.



Rail (aluminum alloy)



GS-IK-04

Item No.	Description	Size(mm)	Package
GS-IK-04	Stainless Steel Hook 4# Kit	200*120*30	20 kits/box 4 boxes/CTN



Rail (aluminum alloy)



GS-IK-04-A

Item No.	Description	Size(mm)	Package
GS-IK-04-A	Stainless Steel Hook 4# A type	225*115*30*5	10 kits/box 4 boxes/CTN

● Pitched Roof (Residential Roof)



The GS Tile Roof hook series are suitable for building roofs with different tile types (asphalt shingle, slate and Roman concrete roof etc), thicknesses, shapes and purlin structures, and are easy to install.
Note: Products can be customized according to the project needs.



Rail (aluminum alloy)

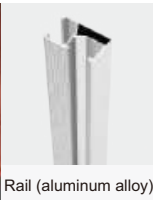


Rail (carbon steel)



GS-IK-04-C

Item No.	Description	Size(mm)	Package
GS-IK-04-C	Stainless Steel Hook 4# B type	200*120*30	10 kits/box 4 boxes/CTN



Rail (aluminum alloy)



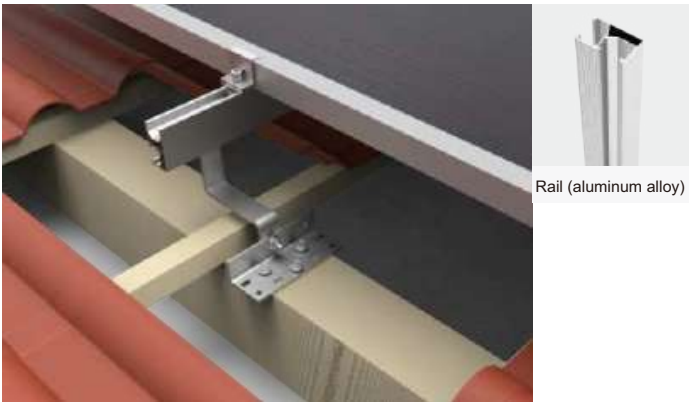
GS-IK-06

Item No.	Description	Size(mm)	Package
GS-IK-06	Stainless Steel Hook 6# Kit	166*105*30*5	10 kits/box 4 boxes/CTN

● Pitched Roof (Residential Roof)

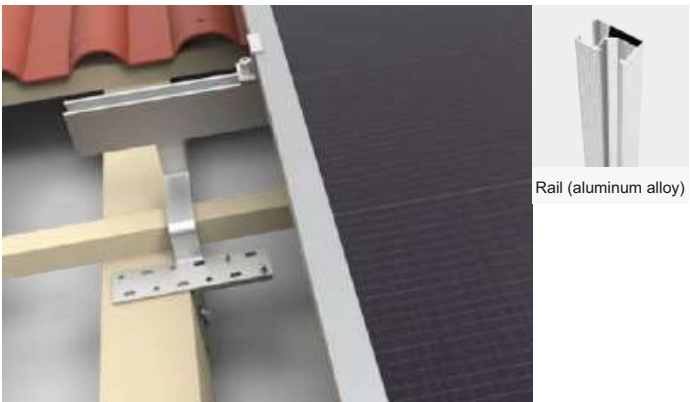


The GS Tile Roof hook series are suitable for building roofs with different tile types (asphalt shingle, slate and Roman concrete roof etc), thicknesses, shapes and purlin structures, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-12

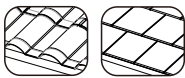
Item No.	Description	Size(mm)	Package
GS-IK-12	Stainless Steel Hook 12# Kit	166*105*30*5	10 kits/box 4 boxes/CTN



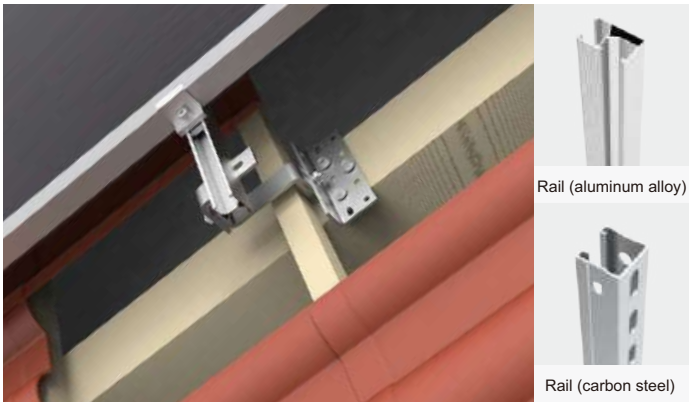
GS-IK-14

Item No.	Description	Size(mm)	Package
GS-IK-14	Stainless Steel Hook 14# Kit	259*105*30*5	10 kits/box 4 boxes/CTN

● Pitched Roof (Residential Roof)

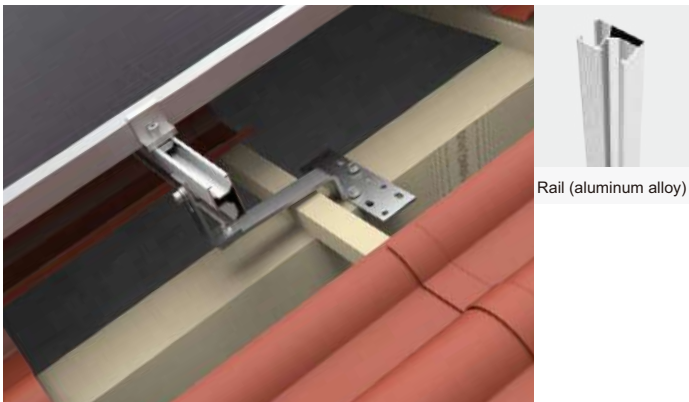


The GS Tile Roof hook series are suitable for building roofs with different tile types (asphalt shingle, slate and Roman concrete roof etc), thicknesses, shapes and purlin structures, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-15

Item No.	Description	Size(mm)	Package
GS-IK-15	Adjustable Stainless Steel Hook 15# Kit	165.5*147*140	10 kits/box 4 boxes/CTN



GS-IK-16

Item No.	Description	Size(mm)	Package
GS-IK-16	Stainless Steel Hook 16# Kit	220*180*153	8 kits/box 4 boxes/CTN

● Pitched Roof (Residential Roof)



The GS Tile Roof hook series are suitable for building roofs with different tile types (asphalt shingle, slate and Roman concrete roof etc), thicknesses, shapes and purlin structures, and are easy to install.
Note: Products can be customized according to the project needs.



GS-ER-S01

Item No.	Description	Size(mm)	Package
GS-ER-S01	ER Stainless Hook 1# Kit	140*165*132	5 kits/box 4 boxes/CTN



GS-ER-S02

Item No.	Description	Size(mm)	Package
GS-ER-S02	ER Stainless Hook 2# Kit	170*158	5 kits/box 4 boxes/CTN

● Pitched Roof (Residential Roof)



The GS Tile Roof hook series are suitable for building roofs with different tile types (asphalt shingle, slate and Roman concrete roof etc), thicknesses, shapes and purlin structures, and are easy to install.
Note: Products can be customized according to the project needs.



GS-ER-S03

Item No.	Description	Size(mm)	Package
GS-ER-S03	ER Stainless Hook 3# Kit	139.5*162.5	10 kits/box 4 boxes/CTN



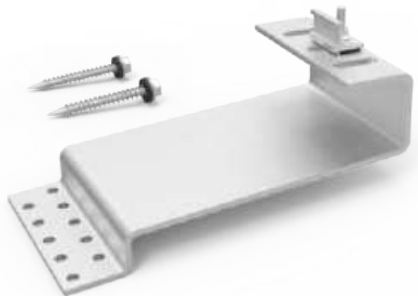
GS-ER-S04

Item No.	Description	Size(mm)	Package
GS-ER-S04	ER Stainless Hook 4# Kit	30*235*75	15 kits/box 4 boxes/CTN

● Pitched Roof (Residential Roof)



The GS Tile Roof hook series are suitable for building roofs with different tile types (asphalt shingle, slate and Roman concrete roof etc), thicknesses, shapes and purlin structures, and are easy to install.
Note: Products can be customized according to the project needs.



GS-ER-S05

Item No.	Description	Size(mm)	Package
GS-ER-S05	ER Stainless Hook 5# Kit	136*290	5 kits/box 2# 2 boxes 2#/CTN



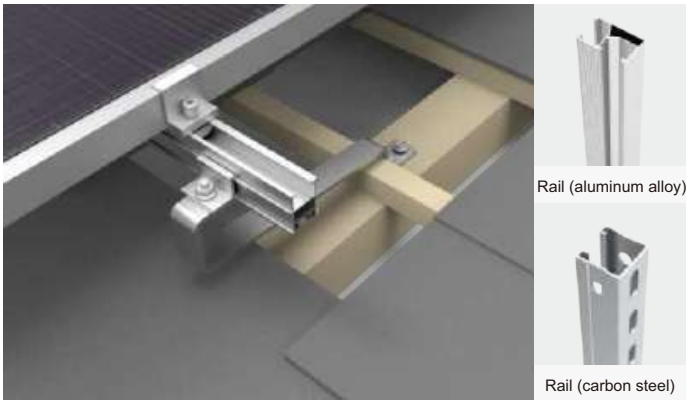
GS-ER-S06

Item No.	Description	Size(mm)	Package
GS-ER-S06	ER Stainless Hook 6# Kit	30*60*135	5 kits/box 2# 2 boxes 2#/CTN

● Pitched Roof (Residential Roof)

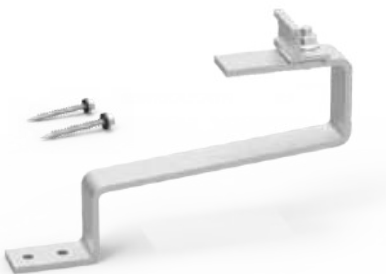
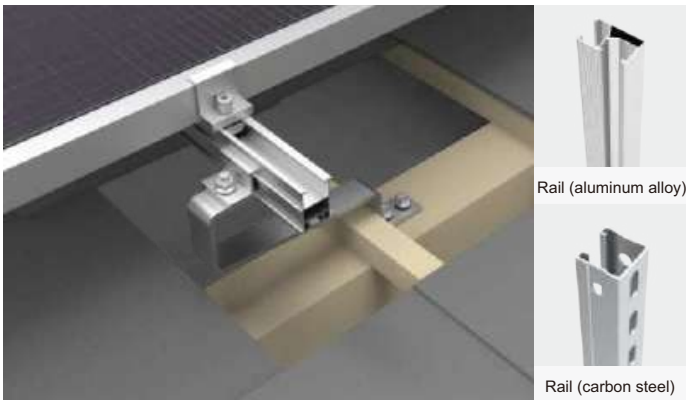


The GS Tile Roof hook series are suitable for building roofs with different tile types (asphalt shingle, slate and Roman concrete roof etc), thicknesses, shapes and purlin structures, and are easy to install.
Note: Products can be customized according to the project needs.



GS-ER-S07

Item No.	Description	Size(mm)	Package
GS-ER-S07	ER Stainless Hook 7# Kit	30*315*125	18 kits/box 2# 2 boxes 2#/CTN



GS-ER-S08

Item No.	Description	Size(mm)	Package
GS-ER-S08	ER Stainless Hook 8# Kit	30*240*132	24 kits/box 2# 2 boxes 2#/CTN

Tin Roof Mounting System

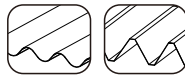
GS-Energy Solar Roof Mounting System

The GS Metal Roof Mounting System is suitable for trapezoidal, corrugated and other metal roofs. Grace can provide different types of clamping solutions according to project requirements. The brackets are installed by fixing the clamps on the purlins or fixing the clamps with metal. Rail and Rail-less solutions are available for different loads, and spans are adjusted by metal type to meet different project requirements. Applied to common aluminium framed and frameless solar panels, parallel mounted on sloping roofs. Raise and angle adjustments are available for special demands. Construction is economical and convenient for the design and planning of commercial and industrial rooftop solar systems.

Installation site	Commercial roof		
Angle	Parallel roof (10-60deg)	Material	High-strength aluminum alloy & Stainless steel
Building height	Below 20m	Color	Silver or customized
Maximum wind speed	<60m/s	Surface treatment	Anodizing & Stainless steel
Maximum snow cover	<1.4KN/m ²	Quality assurance	10-year quality assurance
Reference standards	AS/NZS 1170 & EN1991 & Other	Usage time	More than 20 years

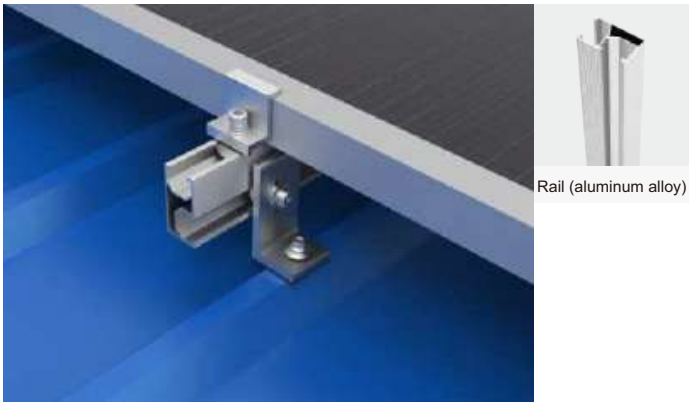


● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.

Note: Products can be customized according to the project needs.



GS-IK-05-ST

Item No.	Description	Size(mm)	Package
GS-IK-05-ST	Aluminum Tin interface Kit 5#	80*40*40*7	50 kits/box 4 boxes/CTN
GS-IK-05-ST-AR	Aluminum Tin interface Kit 5# (with Arc rubber pad)	80*40*40*7	50 kits/box 4 boxes/CTN



GS-IK-05-ST-GD

Item No.	Description	Size(mm)	Package
GS-IK-05-ST-GD	Aluminum Tin interface Kit 5# (with D-module)	40*80	36 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-H01-AL

Item No.	Description	Size(mm)	Package
GS-IK-H01-AL	Hanger Bolt Hook 1#	M10*200	20 kits/box 4 boxes/CTN



GS-IK-H04

Item No.	Description	Size(mm)	Package
GS-IK-H04	Hanger Bolt Hook 4#	M10*200	20 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-H06

Item No.	Description	Size(mm)	Package
GS-IK-H06	Hanger Bolt Hook 6#	M12*200	20 kits/box 4 boxes/CTN



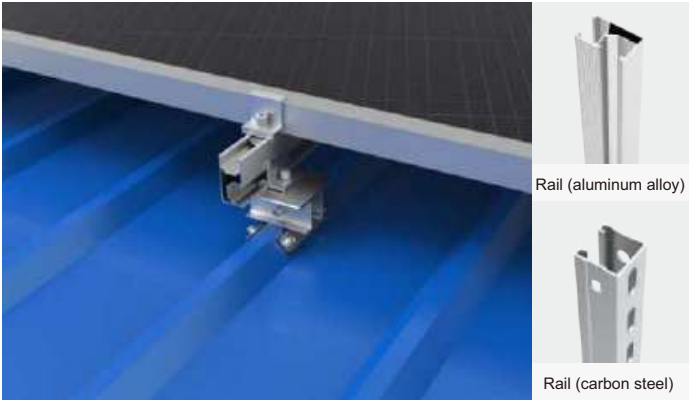
GS-IK-L155-ST

Item No.	Description	Size(mm)	Package
GS-IK-L155-ST	Aluminum Tin interface Kit 5# (155mm)	155*40*40*8	50 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-UTK-01

Item No.	Description	Size(mm)	Package
GS-UTK-01	Universal Trapezoid Metal Roof Hook 1#	80*80*41	25 kits/box 4 boxes/CTN



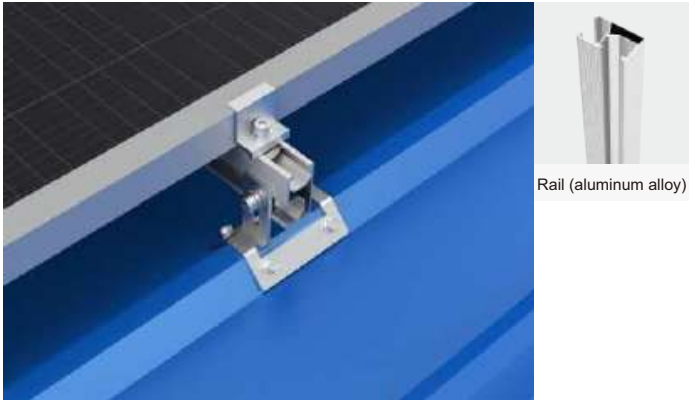
GS-IK-07

Item No.	Description	Size(mm)	Package
GS-IK-07	Stainless Steel Hook 7#	100*66*4	40 kits/box 2 boxes/CTN 2#

● Pitched Roof (Industry · Commercial Roof)

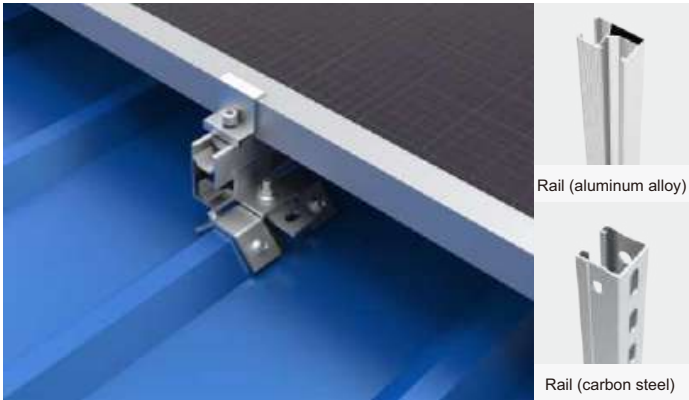


The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-07-A

Item No.	Description	Size(mm)	Package
GS-IK-07-A	Stainless Steel Hook 7# A	100*66*4	40 kits/box 2 boxes/CTN 2#



GS-IK-07-B

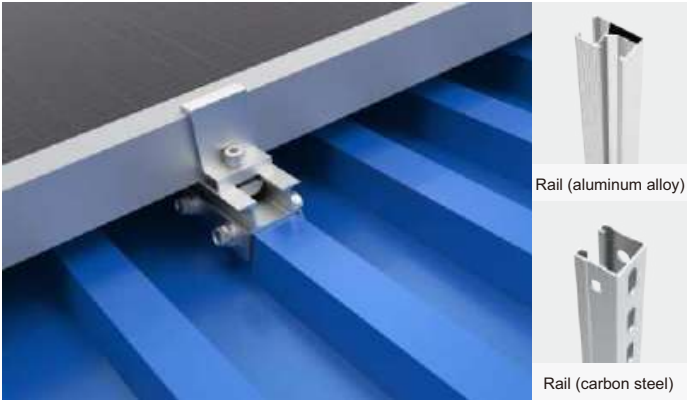
Item No.	Description	Size(mm)	Package
GS-IK-07-B	Stainless Steel Hook 7# B	100*66*4	40 kits/box 2 boxes/CTN 2#

● Pitched Roof (Industry · Commercial Roof)



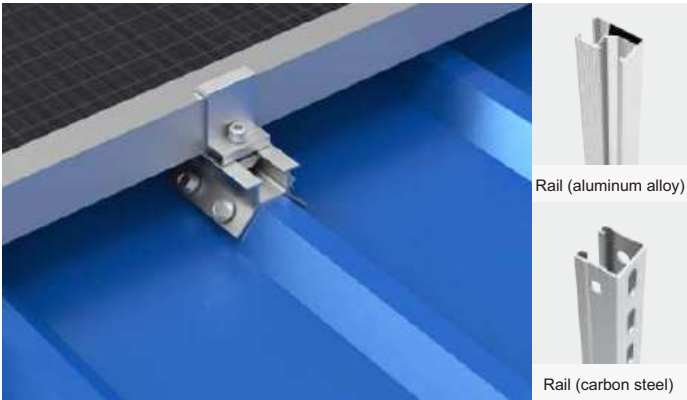
The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.

Note: Products can be customized according to the project needs.



GS01-IK-A07

Item No.	Description	Size(mm)	Package
GS01-IK-A07-G024	7# AL-Hook 90	90	30 kits/box 4 boxes/CTN
GS02-IK-A07-G024	7# AL-Hook 90	90	30 kits/box 4 boxes/CTN



GS-IK-A07

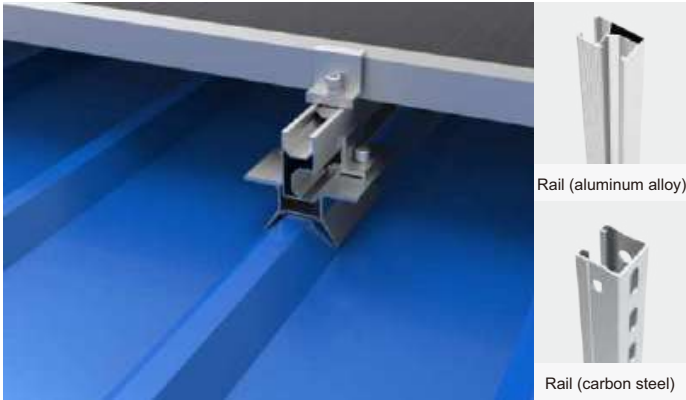
Item No.	Description	Size(mm)	Package
GS-IK-A07	7# AL-Hook	90	30 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)



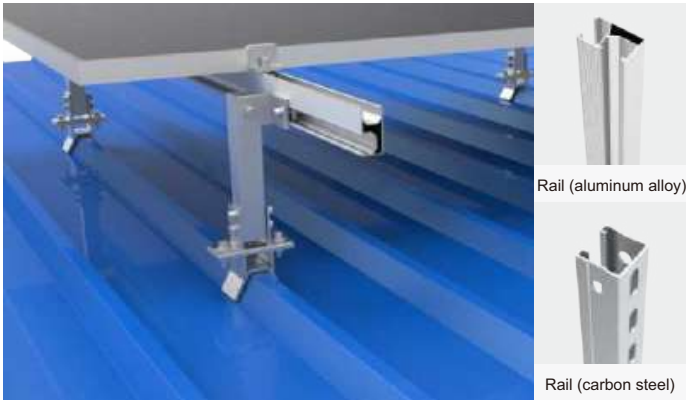
The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.

Note: Products can be customized according to the project needs.



GS-TIK-A01

Item No.	Description	Size(mm)	Package
GS-TIK-A01	Trapezoid Metal Roof Hook	100*100*49	16 kits/box 4 boxes/CTN



GS-TIK-DT01-50-20H

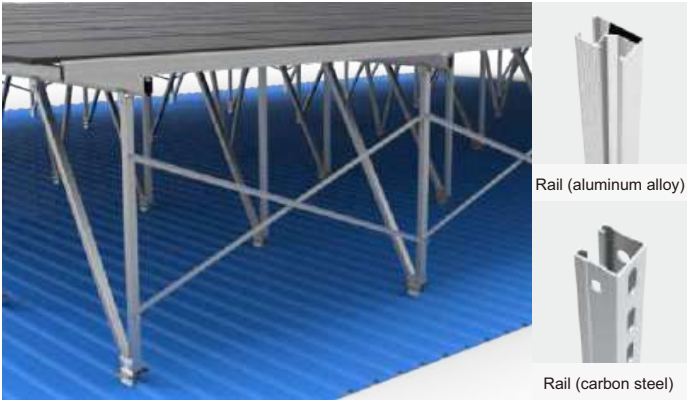
Item No.	Description	Size(mm)	Package
GS-TIK-DT01-50-20H	Customized Trapezoid Hook Assembly 01# (Length 50 + Composite film 20μm)	50	18 kits/box 4 boxes/CTN
GS-TIK-DT02-50-20H	Customized Trapezoid Hook Assembly 02# (Length 50 + Composite film 20μm)	50	24 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)



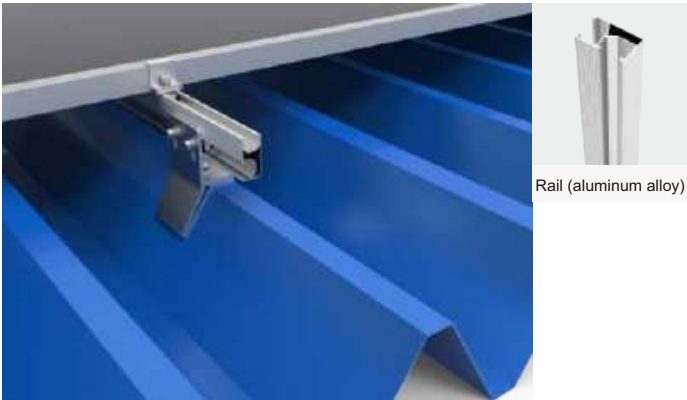
The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.

Note: Products can be customized according to the project needs.



GS-TIK-DT02-100-20H

Item No.	Description	Size(mm)	Package
GS-TIK-DT02-100-20H	Customized Trapezoid Hook Assembly 02# (Length 100 + Composite film 20μm)	100	10 kits/box 4 boxes/CTN



GS-TIK-08

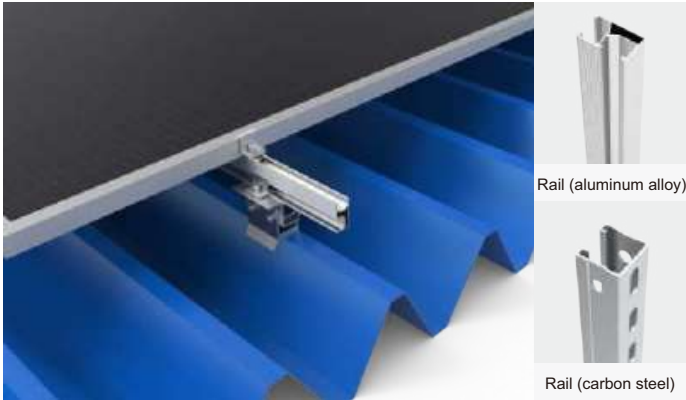
Item No.	Description	Size(mm)	Package
GS-TIK-08	Trapezoid Metal Roof Hook	80*122*147*5	6 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.

Note: Products can be customized according to the project needs.



GS-JIK-WG19

Item No.	Description	Size(mm)	Package
GS-JIK-WG19	Color Plate Hook	100*100	4 kits/box 4 boxes/CTN



GS-JIK-WG20-25HA2

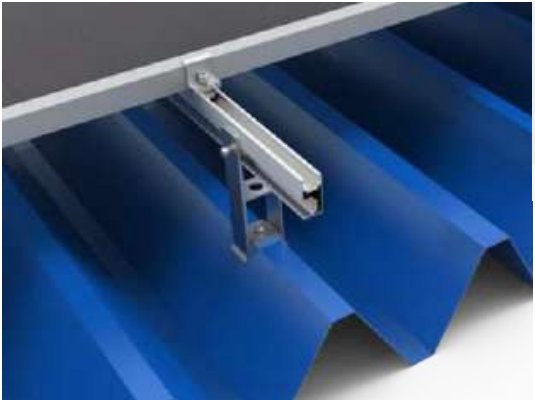
Item No.	Description	Size(mm)	Package
GS-JIK-WG20-25HA2	SN-700 Corrugated Color Steel Aluminum Alloy Hook Assembly (Composite film 25μm + SS304 bolt)	80	8 kits/box 2# 2 boxes/CTN 2#

● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.

Note: Products can be customized according to the project needs.

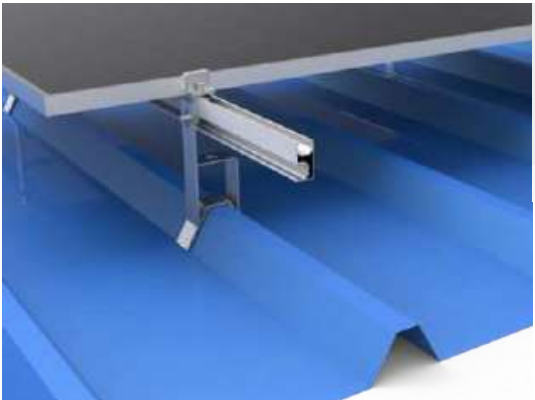


Rail (aluminum alloy)



GS-TIK-09

Item No.	Description	Size(mm)	Package
GS-TIK-09	Trapezoid Metal Roof Hook #9	60*200*5	12 kits/box 4 boxes/CTN
GS-TIK-10	Trapezoid Metal Roof Hook #10	78*200*5	12 kits/box 4 boxes/CTN
GS-TIK-11	Trapezoid Metal Roof Hook #11	88*200*5	12 kits/box 4 boxes/CTN



Rail (aluminum alloy)



GS-TIK-13-H80-A-D2-25HA2

Item No.	Description	Size(mm)	Package
GS-TIK-13-H80-A-D2-25HA2	Five-wave Corrugated Color Steel H-Type Aluminum Alloy Hook Assembly (Extended rubber pad + Composite film thickness 25μm + SS304 bolt)	40	12 kits/box 2# 2 boxes/CTN 2#

● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.

Note: Products can be customized according to the project needs.

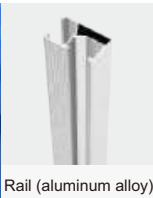
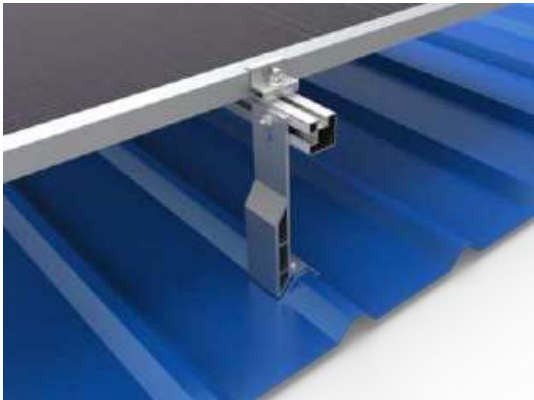


Rail (aluminum alloy)



GS-TIK-L01-20HA2

Item No.	Description	Size(mm)	Package
GS-TIK-L01-20HA2	Trapezoid Metal Roof L-type Hook (with 20μm Composite film thickness +sus304 bolt)	60	12 kits/box 4 boxes/CTN



Rail (aluminum alloy)



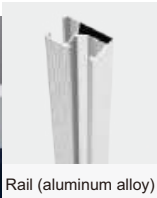
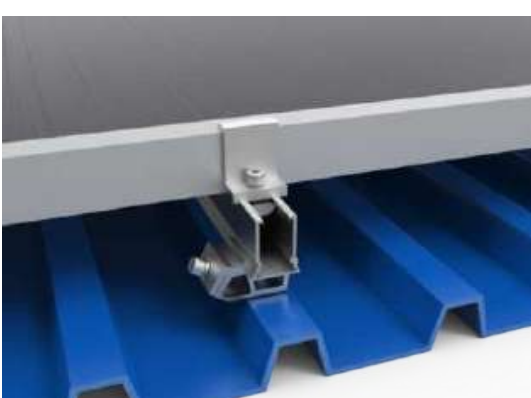
GS-TIK-L02-20HA2

Item No.	Description	Size(mm)	Package
GS-TIK-L02-20HA2	Trapezoid Metal Roof L-type+ Concave shape Hook (with 20μm Composite coating +sus304 bolt)	60	12 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.
Note: Products can be customized according to the project needs.

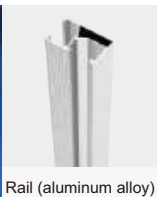


Rail (aluminum alloy)



GS-UIK-A01

Item No.	Description	Size(mm)	Package
GS-UIK-A01	R Flat Hook 800mm	40	76 kits/box 4 boxes/CTN



Rail (aluminum alloy)



Rail (carbon steel)



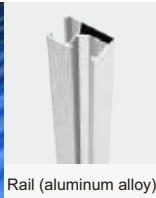
GS-TKT-01

Item No.	Description	Size(mm)	Package
GS-TKT-01	Adjustable Trapezoidal Hook	50	90 kits/box 4 boxes/CTN
GS-TKT-L-50	Trapezoidal Adjustable Hook 50mm + L feet	39	18 kits/box 4 boxes/CTN

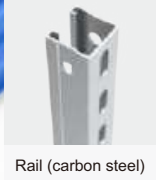
● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.
Note: Products can be customized according to the project needs.



Rail (aluminum alloy)



Rail (carbon steel)



GS-WIK-A01

Item No.	Description	Size(mm)	Package
GS-WIK-A01	Corrugated roof Hook 1# (AL)	45	40 kits/box 4 boxes/CTN



GS-IK-UR-01

Item No.	Description	Size(mm)	Package
GS-IK-UR-01	UR Flat Hook	200*28*30	50 kits/box 4 boxes/CTN
GS-IK-UR-02	R Flat Hook 400mm(with 4 self-tapping screw and pads)	400*28*30	50 kits/box 2# 2 boxes 2#/CTN

● Pitched Roof (Industry · Commercial Roof)

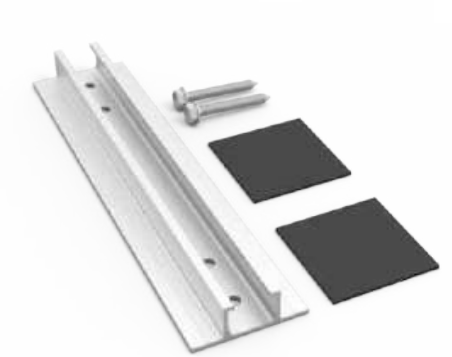


The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-FR-ST

Item No.	Description	Size(mm)	Package
GS-IK-FR-ST	FB Rail Hook	120*60*21.2	40 kits/box 4 boxes/CTN



GS-IK-FR-02-60RP

Item No.	Description	Size(mm)	Package
GS-IK-FR-02-60RP	FB Rail Hook Kit 2#	250*60*21.2	25 kits/box 4 boxes/CTN
GS-FR2-250-Q01	Wide-Edge&Flat-Bottom Rail 1000	250*90*20.1	25 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series are suitable for various trapezoidal, corrugated and other metal roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-FR2-A

Item No.	Description	Size(mm)	Package
GS-IK-FR2-A	Rail Bracket	250*80*70	4 kits/box 4 boxes/CTN



GS-IK-FR-03-60RP

Item No.	Description	Size(mm)	Package
GS-IK-FR-03-60RP	FB Rail Hook Kit 3#	250*60*71.2	10 kits/box 4 boxes/CTN

Standing Seam Roof Mounting System

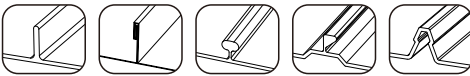
GS-Energy Solar Roof Mounting System

The GS Metal Roof Mounting System (no drilling) is suitable for metal roofs such as standing seam roofs, and Grace can provide different types of fixture solutions based on project needs, allowing great flexibility in selection. The brackets are installed by fixing the clamps with metal. In addition, for different loads, Grace provides two solutions - rail and rail-less to choose from. During installation, the span can be adjusted according to the metal type to adapt to different project requirements. This system applies common aluminum frame and frameless solar panels, mounted parallel to pitched roofs. Elevation and angle adjustments can also be accepted under special needs. The construction is economical and convenient, and it is suitable for the design and planning of industrial and commercial rooftop solar systems.

Installation site	Commercial roof		
Angle	Parallel roof (10-60deg)	Material	High-strength aluminum alloy & Stainless steel
Building height	Below 20m	Color	Silver or customized
Maximum wind speed	<60m/s	Surface treatment	Anodizing & Stainless steel
Maximum snow cover	<1.4KN/m ²	Quality assurance	10-year quality assurance
Reference standards	AS/NZS 1170 & EN1991 & Other	Usage time	More than 20 years



● Pitched Roof (Industry · Commercial Roof)

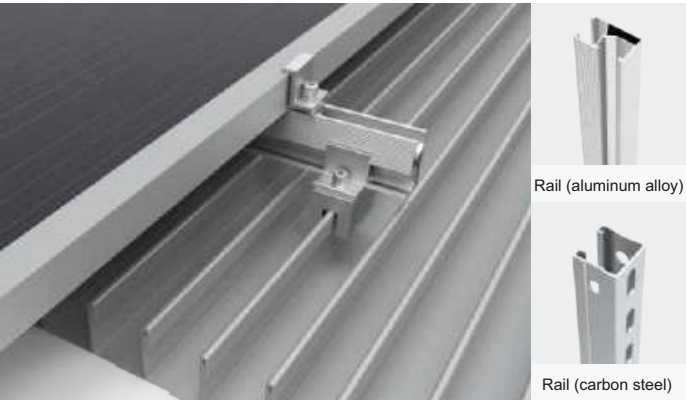


The GS Metal Roof clamp series metal roofs such as standing seam roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-1K-S01

Item No.	Description	Size(mm)	Package
GS-1K-S01	Stand Seam Roof Hook 1#	110	15 kits/box 4 boxes/CTN



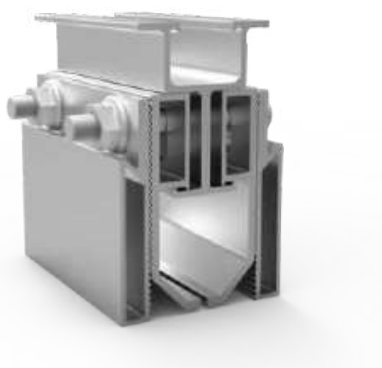
GS-S1K-A01

Item No.	Description	Size(mm)	Package
GS-S1K-A01	Stand Seam Universal Tin roof Hook #1	38.2*38.2*60	30 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)

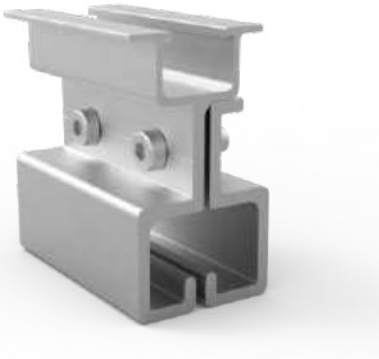


The GS Metal Roof clamp series metal roofs such as standing seam roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-JIK-L01

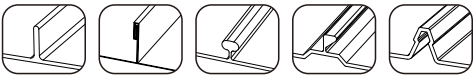
Item No.	Description	Size(mm)	Package
GS-JIK-L01	JIK#1 Roof Hook	80*86.5*45	15 kits/box 4 boxes/CTN



GS-JIK-S01

Item No.	Description	Size(mm)	Package
GS-JIK-S01	Stand Seam Roof Hook	80	15 kits/box

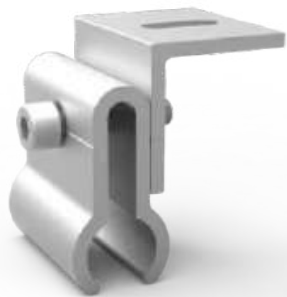
● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series metal roofs such as standing seam roofs, and are easy to install.
Note: Products can be customized according to the project needs.



Rail (aluminum alloy)



GS-IK-S02

Item No.	Description	Size(mm)	Package
GS-IK-S02	Stand Seam Roof Hook 2#	50	20 kits/box 4 boxes/CTN



GS-IK-S02-A

Item No.	Description	Size(mm)	Package
GS-IK-S02-A	Stand Seam Roof Hook 2# A type	80	15 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series metal roofs such as standing seam roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-S04

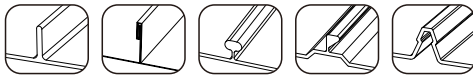
Item No.	Description	Size(mm)	Package
GS-IK-S04	Stand Seam Roof Hook 4#	110	15 kits/box 4 boxes/CTN



GS01-IK-S07-A

Item No.	Description	Size(mm)	Package
GS01-IK-S07-A	Standing Seam Roof Hook S07-A	45*53*80	20 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series metal roofs such as standing seam roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS01-IK-S11-A

Item No.	Description	Size(mm)	Package
GS01-IK-S11-A	Kliplock clamp (35mm width, 80mm length + smaller rail)	35*80	18 kits/box 4 boxes/CTN



GS-IK-SK7-110

Item No.	Description	Size(mm)	Package
GS-IK-SK7-110	Stand Seam Roof Hook K7 (with bolt kits)	110	10 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series metal roofs such as standing seam roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-S08

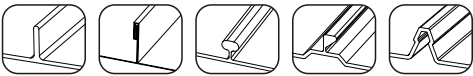
Item No.	Description	Size(mm)	Package
GS-IK-S08	New Kliplok700 Roof Hook	60	30 kits/box 4 boxes/CTN



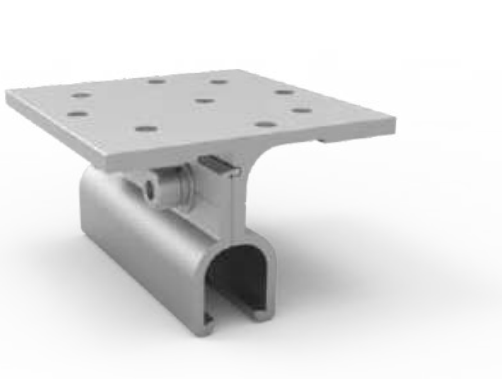
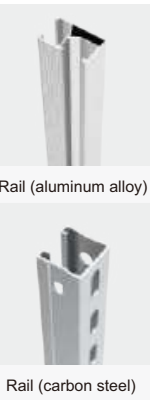
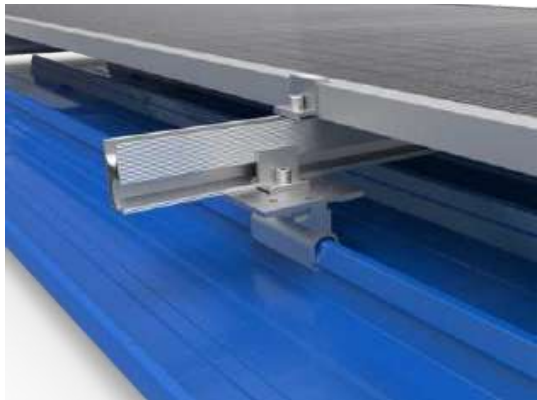
GS-IK-S09

Item No.	Description	Size(mm)	Package
GS-IK-S09	New Kliplok 406Roof Hook406	60	30 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)

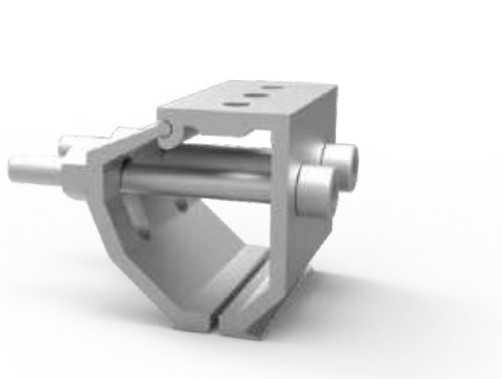
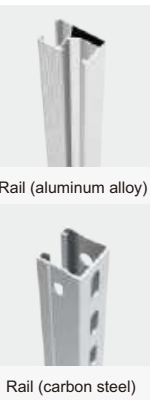
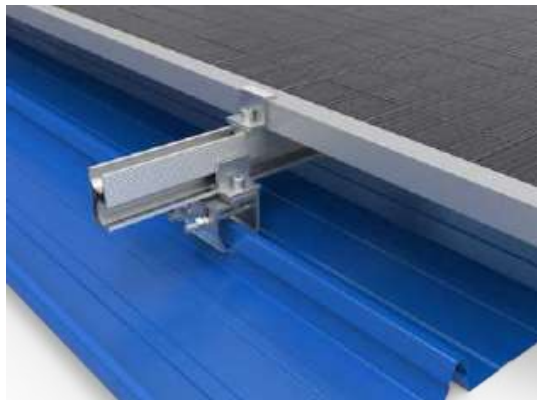


The GS Metal Roof clamp series metal roofs such as standing seam roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-S09-100-Q01

Item No.	Description	Size(mm)	Package
GS-IK-S09-100-Q01	406 Roof Hook with length 100	100	20 kits/box 2# 2 boxes/CTN 2#



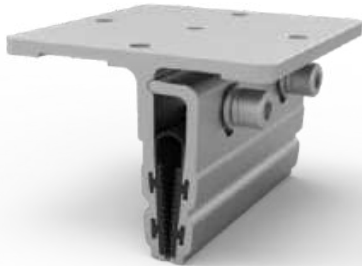
GS-IK-S10-Q01

Item No.	Description	Size(mm)	Package
GS-IK-S10-Q01	New Kliplok700, 406 Universal Roof Hook	60	36 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)

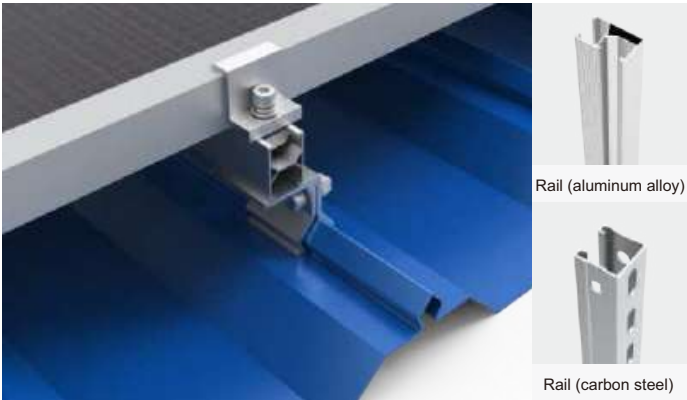


The GS Metal Roof clamp series metal roofs such as standing seam roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-IK-S11-Q01

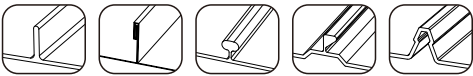
Item No.	Description	Size(mm)	Package
GS-IK-S11-Q01	New Kliplok305 Roof Hook	60	16 kits/box 4 boxes/CTN



GS-TRB-VRC-15AO

Item No.	Description	Size(mm)	Package
GS-TRB-VRC-15AO	Metal roof Clamp (with D-module+ 20bolts and 15μm oxide coating)	50	40 kits/box 4 boxes/CTN

● Pitched Roof (Industry · Commercial Roof)



The GS Metal Roof clamp series metal roofs such as standing seam roofs, and are easy to install.
Note: Products can be customized according to the project needs.



GS-VSW-VRC

Item No.	Description	Size(mm)	Package
GS-VSW-VRC	Stand Seam Roof Hook (with D module)	50	45 kits/box 4 boxes/CTN

Adjustable Tilt Mounting System

GS-Energy Solar Roof Mounting System

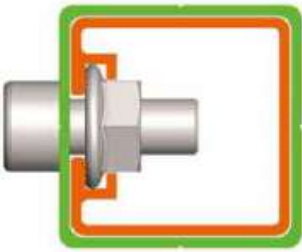
The GS adjustable roof mounting system is suitable for fixing various common framed solar panels at a specific angle of the roof. The system can be used for a fixed angle or an adjustable angle such as 10~15 degrees, 15~30 degrees or 30~60 degrees. Reliable high corrosion resistance, structural strength and aesthetics. The pre-assembly makes installation easy and fast, saving you labor costs and installation time.

Installation site	Commercial roof		
Angle	Parallel roof (10-60deg)	Material	High-strength aluminum alloy & Stainless steel
Building height	Below 20m	Color	Silver or customized
Maximum wind speed	<60m/s	Surface treatment	Anodizing & Stainless steel
Maximum snow cover	<1.4KN/m ²	Quality assurance	10-year quality assurance
Reference standards	AS/NZS 1170 & EN1991 & Other	Usage time	More than 20 years



• Pitched Roof (Industry · Commercial Roof)

Adjustable Tilt System

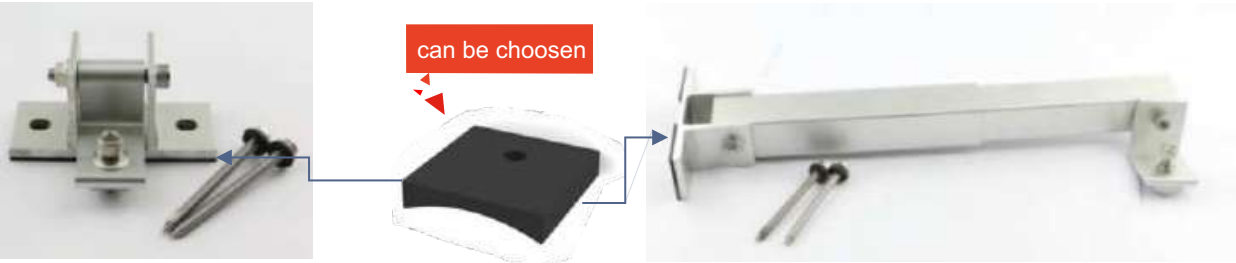


Telescope Solution

Solar Panels Size 1722*1134*35	Rail GS-DR-L	Front Leg GS-AD-FL	Rear Leg GS-AD-RL_	Inter Clamp GS-IC-F35	End Clamp GS-EC-F35	Rail Splice GS-DR-SP
Adjustable 10/15 4Panels installation	2 pcs	4	4	6	4	2
Adjustable 15/30 4Panels installation	2 pcs	4	4	6	4	2
Adjustable 30/60 4Panels installation	2 pcs	4	4	6	4	2

Feature

- Main Material: Anodized Al6005-T5
- Fasten Material: SUS A2-70
- Wood Screw: 2pcs M6x80
- Patent Telescope solution can adjust the angle
- Anti-Slip and Anti-out design



GS-AD-FL-LD

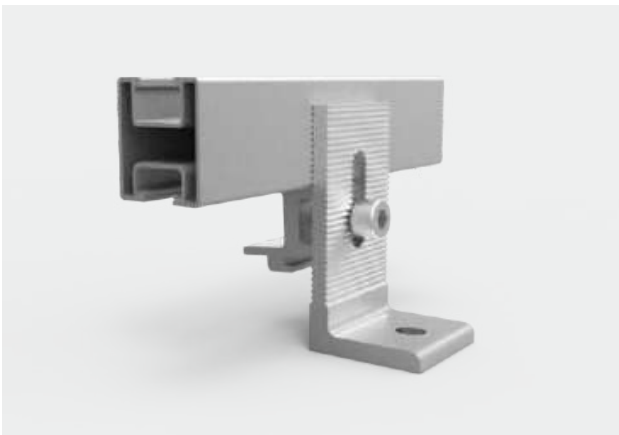
GS-AD-RL_

Item No.	Description	Leg Length	Package
GS-AD-FL-LD	AD Front Leg	-----	50pcs/box, 4 boxes/CTN
GS-AD-RL10/15-LD	AD Rear Leg 10/15 deg	240~360mm	30pcs/CTN
GS-AD-RL15/30-LD	AD Rear Leg 15/30 deg	340~680mm	25pcs/CTN
GS-AD-RL30/60-LD	AD Rear Leg 30/60 deg	700~1200mm	25pcs/CTN III

Adjustable Mounting System

GS-Energy Solar Roof Mounting System

GS-X-L X-Rail (X Series product, including rail, rail clamps, connectors, inter and end clamps, hooks and clamps). This series is suitable for metal roofs, magnetic tile roofs, asphalt shingle roofs, etc., with matching hooks or clamps fixed to roofs. It fixes PV modules through matching clamps within commercial or residential rooftop solar system planning.



metal roof installation

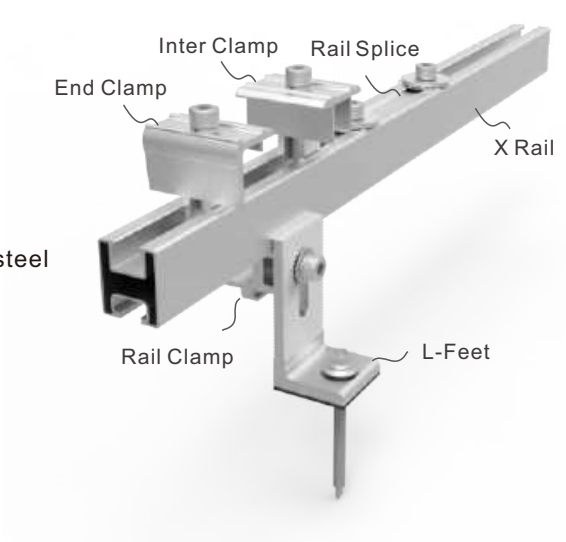


Tile roof installation

Pitched Roof (Industry · Commercial Roof)

Technical Information

- Installation site: Roof
- Angle: Parallel roof 10-45°
- Building height: Below 20m
- Material: High-strength aluminum alloy & Stainless steel
- Color: Silver or customized
- Surface treatment: Anodizing & Stainless steel
- Maximum wind speed: <60m/s
- Maximum snow cover: <1.4KN/m²
- Reference standards: ASCE7-10 & Other
- Quality assurance: 10-year quality assurance



Component

Rail GS-X01-L	Rail GS-X02-L	Rail Splice GS-X-SP-GW-Q01	End Clamp GS-X-EC-F3040-Q01	Inter Clamp GS-X-IC-F3040-Q01
IK-05 kits GS-IK-05X-ST-Q01	IK-12 kits GS-X-IK-12-Q01			

Specification parameters

Item No.	Name	Description	Material
GS-X01-L	X Series Rail#1	30x35mm (Custom length available)	Aluminium Alloy
GS-X02-L	X Series Rail#2	40x40mm (Custom length available)	Aluminium Alloy
GS-X-SP-GW-Q01	X Series Rail Connector Assembly (with BMR Conductive Plate + M10 Large Flat Washer)	Connect two pcs GS X Rail	Aluminium Alloy & Stainless Steel
GS-X-EC-F30/40-Q01	X Series End Clamp Assembly (30-40mm adjustable)	Fixed PV modules	Aluminium Alloy & Stainless Steel
GS-X-IC-F30/40-Q01	X Series Inter Clamp Assembly (30-40mm adjustable)	Fixed PV modules	Aluminium Alloy & Stainless Steel
GS-IK-05X-ST-Q01	GS L-Feet Assembly (with hook block + self-tapping screws + pads)	Mounting Structures fixed to roofs	Aluminium Alloy & Stainless Steel
GS-X-IK-12-Q01	X Series Adjustable Stainless Steel Hook#12 (SS)	Mounting Structures fixed to roofs	Aluminium Alloy & Stainless Steel

BIPV System

GS-Energy Solar Roof Mounting System

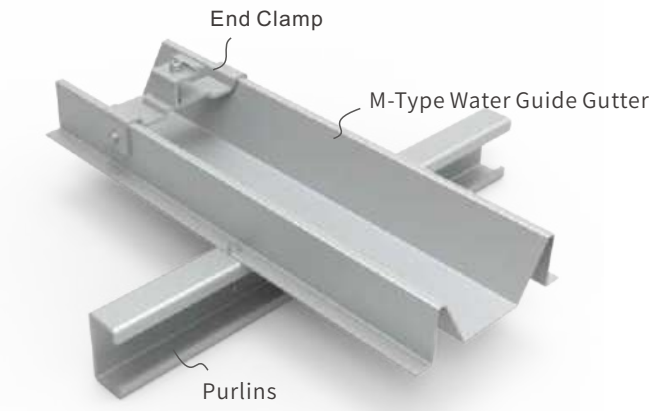
Building Integrated Photovoltaics (BIPV) organically combines solar with architecture, employing PV modules as roof envelope structure to replace conventional metal roofs. During original factory construction, once primary structures (columns, beams) and secondary structures (purlins and pull rods) are installed, or when existing buildings require metal sheet replacement, the entire roof solution can be provided by the BIPV system.



• Pitched Roof (Industry · Commercial · Residential Roof)

Technical Information

- Installation site: Roof
- Angle: 10°, 15°, 45°
- Material: Alloy Steel
- Color: Silver or customized
- Surface treatment: Aluminium-Zinc-Magnesium coated
- Maximum wind speed: <60m/s
- Maximum snow cover: <1.4KN/m²
- Reference standards: ASCE7-10 & Other
- Quality assurance: 10-year quality assurance



Component



Specification parameters

Item No.	Name	Description	Material
GS-SC01-L	M-Type Water Guide Gutter	160*60mm(Custom length available)	Alloy Steel
GS-SC02-L	U-Type Water Guide Gutter	91*25mm(Custom length available)	Alloy Steel
GS-SC-01-Q01	M-Support Bracket	168*40*40mm	Aluminium Alloy
GS-SC-IC-F30-Q01	M-Type Inter Clamp to Main Water Guide Gutter	Fixed PV modules	Aluminium Alloy & Stainless Steel
GS-SC-EC-F30-Q01	M-Type End Clamp to Main Water Guide Gutter	Fixed PV modules	Aluminium Alloy & Stainless Steel
-	Purlins	Custom	Carbon Steel & Alloy Steel

Application



GS-SMART

FARM MOUNTING SYSTEM

PV Mounting System Solution



Easy to assemble



Convenient
maintenance



Safe and reliable



Nice appearance

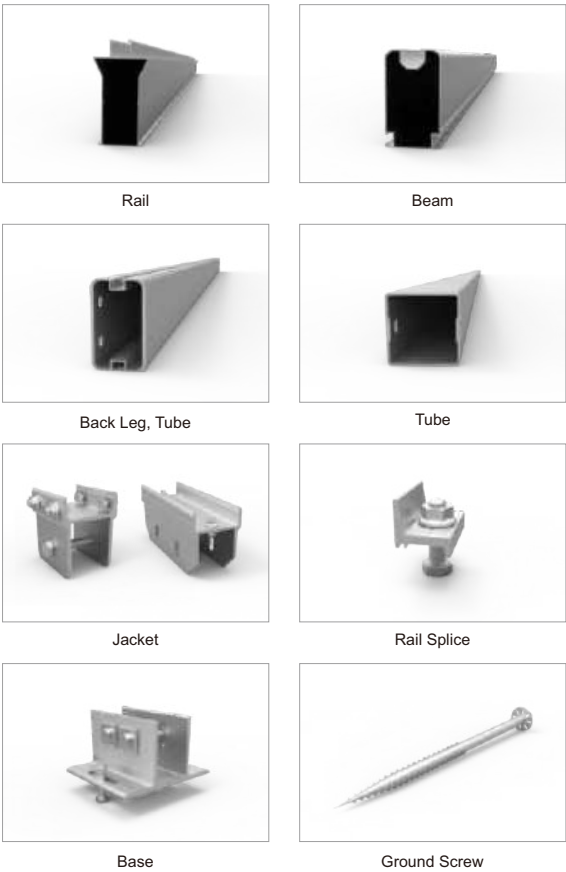
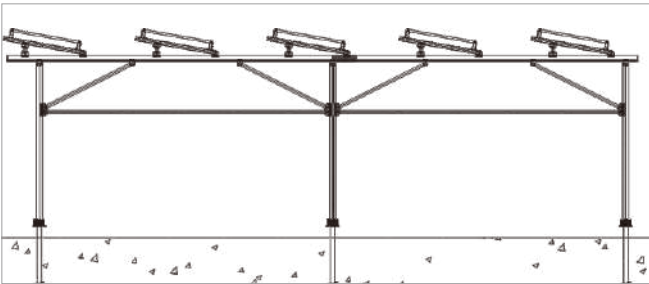
HIGH EFFICIENCY
HIGH QUALITY
HIGH INCOME

Flat Type Farm Mounting System

Aluminum alloy



Installation site	Ground
Inclination	0-60°
Construction height	<4m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	High-strength aluminum alloy & A2-70
Surface Treatment	Anodizing or electrophoresis
Color	Silver or customized
Foundation	Concrete Foundation
	Ground Screw Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years



Project Information

PV MODULE INFORMATION		PV MODULE INFORMATION	
Size	2278*1134*35mm	Module Inclination (in degree)	10 deg
Module arrangement	5 rows, 7 columns	Module Power	555W
Number of installations	35 pcs	Capacity	19425W

Arrangement

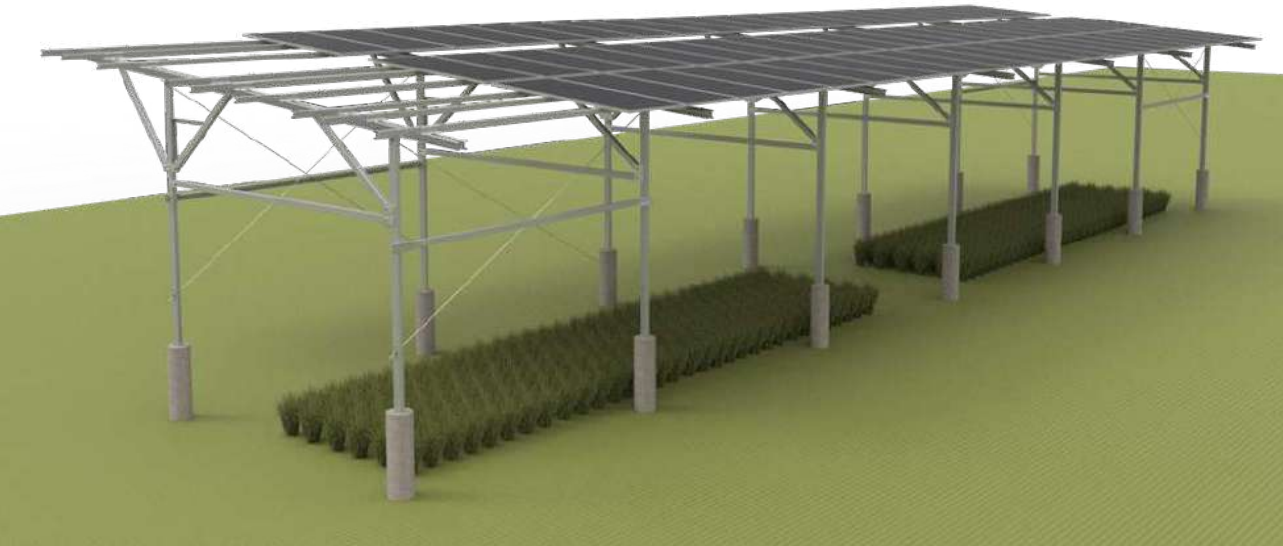
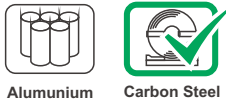


Component List

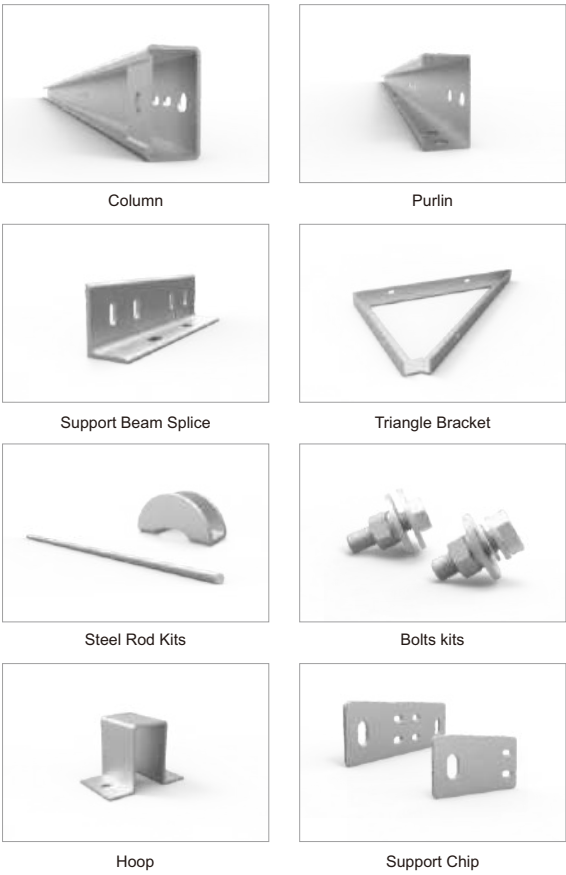
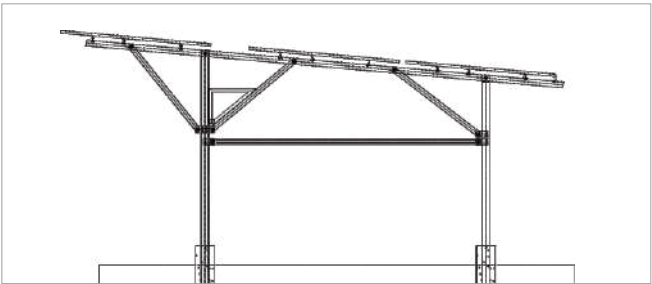
Description	Material	Specification	QTY
Rail	AL 6005-T5	5200 mm	20 pcs
Rail	AL 6005-T5	5000 mm	10 pcs
Rail Splice	AL 6005-T5	300 mm	20 pcs
Rail Clamp	AL 6005-T5&SUS 304	60 mm	80 pcs
End Clamp	AL 6005-T5&SUS 304	35 mm	140 pcs
Triangle Bracket	AL 6005-T5&SUS 304	10 mm	20 pcs
Jacket 1#	AL 6005-T5&SUS 304	80 mm	40 pcs
Beam	AL 6005-T5	5750 mm	4 pcs
Jacket 2#	AL 6005-T5&SUS 304	80 mm	12 pcs
Jacket 3#	AL 6005-T5&SUS 304	120 mm	16 pcs
Beam	AL 6005-T5	5000 mm	4 pcs
Support Beam Splice	AL 6005-T5	400 mm	4 pcs
Tube	AL 6005-T5	1700 mm	16 pcs
Tube	AL 6005-T5	4850 mm	8 pcs
Jacket 4#	AL 6005-T5	200 mm	16 pcs
Back Leg, Tube	AL 6005-T5	2740 mm	12 pcs
Bolts kits	SUS 304	M8*30	60 pcs
Base	AL 6005-T5&SUS 304	180 mm	12 pcs
Ground Screw	Q235	89*2000*T4*2	12 pcs
Al Angel Brace	AL 6005-T5	5060 mm	12 pcs
Module	AL 6005-T5	100*60*2*50	6 pcs
Grounding Clip	SUS 304	25*16*23	70 pcs
Grounding Lug	SUS 304	20 mm	5 pcs

Slope Type Mounting System

Carbon steel



Installation site	Ground
Inclination	0-20°
Construction height	<4m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	Carbon steel & Alloy steel
Color	Silver or customized
Surface Treatment	Hot-dip galvanized or Aluminium-Zinc-Magnesium coated
Foundation	Concrete Foundation Ground Screw Foundation Pile Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years

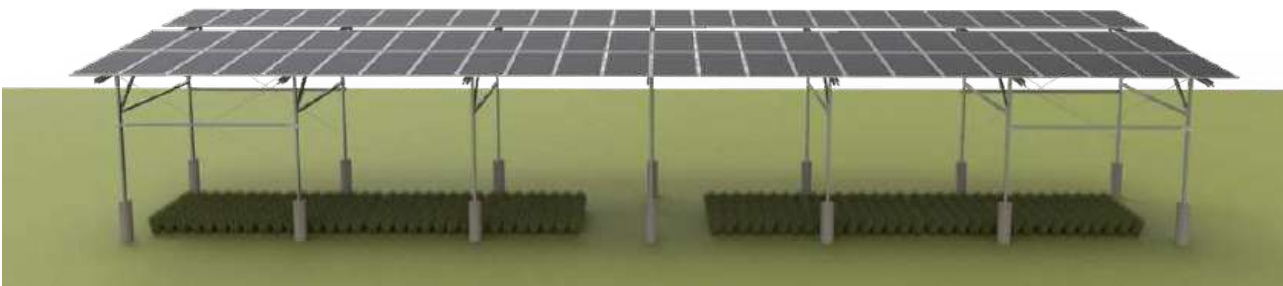


Project Information

PV MODULE INFORMATION	
Size	2384*1096*30mm
Module arrangement	3 rows, 24 columns
Number of installations	72 pcs

PV MODULE INFORMATION	
Module Inclination (in degree)	5 deg
Module Power	540W
Capacity	38880W

Arrangement



Component List

Description	Material	Specification	QTY
Column	Q235B	4515mm	7 pcs
Column	Q235B	4903mm	7 pcs
Beam	S420GD-ZM350	7500mm	14 pcs
Brace	S420GD-ZM350	1740mm	21 pcs
Brace	S420GD-ZM350	4264mm	7 pcs
Purlin	S420GD-ZM350	4960mm	20 pcs
Purlin	S420GD-ZM350	4230mm	40 pcs
Support Beam Splice	Q235B	L75*50*T5*280mm	63 pcs
Support Chip	Q235B	100*310*6mm	7 pcs
Support Chip	Q235B	100*180*6mm	21 pcs
Steel Rod	Q235B	φ 10*4440mm	8 pcs
Semicircular Gasket	Q235B	50*20*3.0*25mm	16 pcs
Hoop	Q235B	U170*120*53.25*5.0*100mm	8 pcs
Hot Rolled Angle Steel	Q235B	L100*63*6.0*280mm	8 pcs
Support Brace	S420GD-ZM350	C80*40*15*2.0*4020mm	4 pcs
Triangle Bracket	Q235B	L50*50*T4	7 pcs
Bolts kits	SUS 316	M6*25	144 pcs
Bolts kits	SUS 316	M8*25	288 pcs
Bolts kits	SUS 316	M10*35	654 pcs
Bolts kits	SUS 316	M20x45	35 pcs
Bolts kits	SUS 316	M20x110	35 pcs

GS-SMART

CARPORT MOUNTING SYSTEM

PV Mounting System Solution



Easy to assemble



Convenient
maintenance



Safe and reliable



Nice appearance

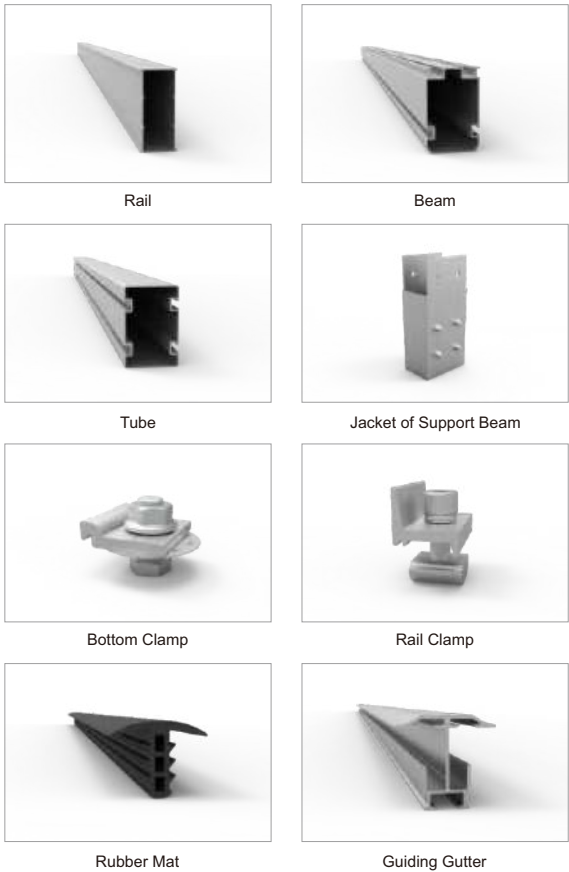
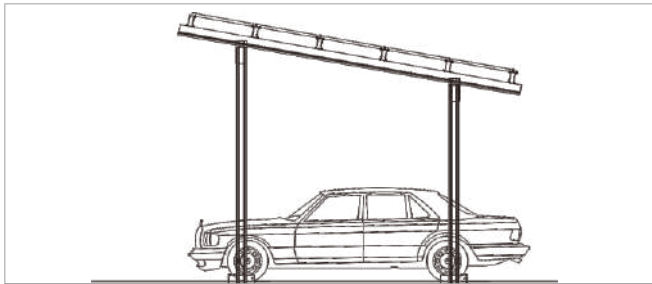
**The first in China! Photovoltaic carport
Aluminum alloy profiles obtained JIS H
4100 certificate**

Type II Carport Mounting System

Aluminum alloy



Installation site	Ground
Inclination	0-60°
Construction height	<9m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	High-strength aluminum alloy & A2-70
Surface Treatment	Anodizing or electrophoresis
Color	Silver or customized
Foundation	Concrete Foundation
	Ground Screw Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years



Project Information

PV MODULE INFORMATION		PV MODULE INFORMATION	
Size	1722*1134*30mm	Module Inclination (in degree)	5 deg
Module arrangement	5 rows, 7 columns	Module Power	415W
Number of installations	35 pcs	Capacity	14525W

Arrangement

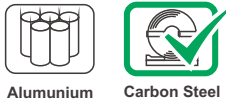


Component List

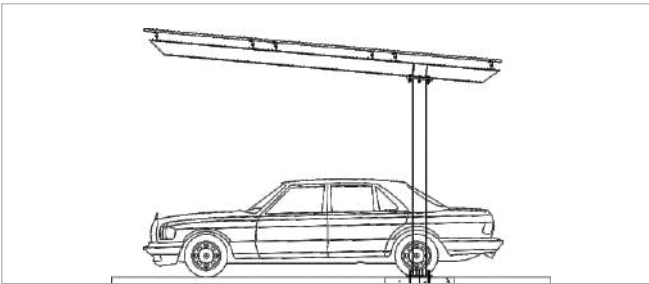
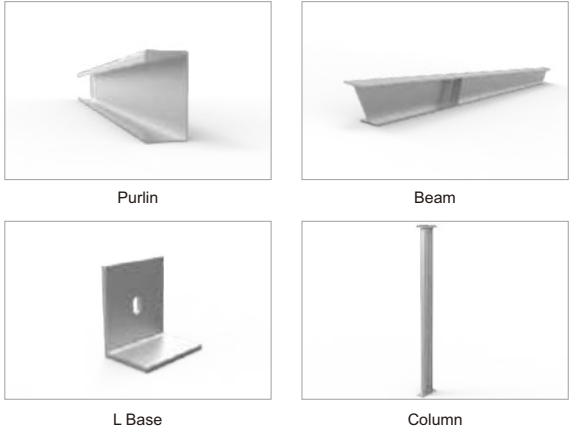
Description	Material	Specification	QTY
Rail	AL 6005-T5	5300mm	12 pcs
Rail Splice	AL 6005-T5	500mm	6 pcs
Girder Clamp	AL 6005-T5&SUS 304	40mm	72 pcs
Inter Clamp	AL 6005-T5&SUS 304	30mm	56 pcs
End Clamp	AL 6005-T5&SUS 304	30mm	28 pcs
Beam	AL 6005-T5	4800mm	3 pcs
Jacket of Support Beam	AL 6005-T5&SUS 304	350mm	6 pcs
Tube	AL 6005-T5	3250mm	3 pcs
Tube	AL 6005-T5	3530mm	3 pcs
Support Beam Cap	Q235	100mm	6 pcs
T Roof 840	Cold Rolled Steel	5000mm	15 pcs
T Hex Screw kit	SUS 304	M10*35	24 pcs
Grounding Clip	SUS 304	34*34mm	24 pcs
Grounding Lug	AL 6005-T5 & SUS 304	20mm	6 pcs

Single Column Carport Mounting System

Carbon steel



Installation site	Ground
Inclination	0-60°
Construction height	<9m
Maximum wind speed	<60m/s
Maximum snow cover	<200cm
Material	Carbon steel & alloy steel
Color	Silver or customized
Surface Treatment	Hot-dip galvanized Aluminium-Zinc-Magnesium coated
Foundation	Concrete Foundation Ground Screw Foundation
Reference Standards	ASCE7-10 EN1991 AS/NZS1170 Other
Warranty	10 Years



Project Information

PV MODULE INFORMATION		PV MODULE INFORMATION	
Size	1719*1134*30mm	Module Inclination (in degree)	5 deg
Module arrangement	3 rows, 5 columns	Module Power	415W
Number of installations	15 pcs	Capacity	6225W

Arrangement



Component List

Description	Material	Specification	QTY
H-shaped Steel Column	Q235B	2850mm	2 pcs
Base Plate	Q235B	370*125*25mm	2 pcs
T Roof	Q235B	370*125*25mm	2 pcs
Ribbed Plate	Q235B	100*50*10 mm	12 pcs
H-shaped Steel Beam	Q235B	5100mm	2 pcs
Ribbed Plate	Q235B	180*45*10mm	8 pcs
L Base	Q235B	110*70*6*100mm	12 pcs
Purlin	Q235B	6100mm	6 pcs



Solar Balcony Bracket System (Alumunium)
GS-Roof Mounting System Solution

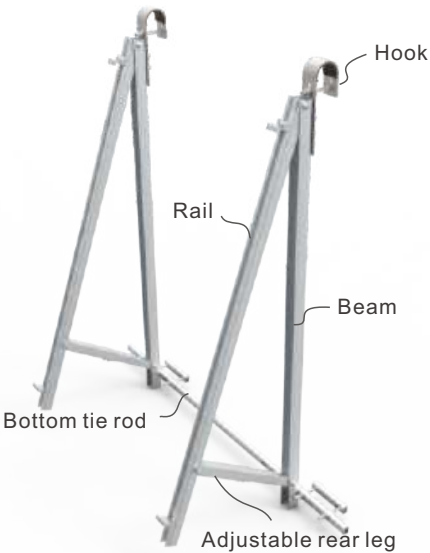
The GS balcony photovoltaic mounting system, made of aluminum alloy, is a new type of solar installation system. It does not take up much space and is very suitable for residential use, allowing solar panels to be installed safely and efficiently on balconies or garden railings, thereby utilizing clean, renewable energy and reducing electricity bills.

Anodizing & Stainless steel



Product Specifications

- Installation Site: Balcony
- Inclination: 0-30°
- Structural height: < 10m
- Material: Alumunium & Stainless steel
- Colour: Silver or customized
- Surface treatment: Anodizing & Stainless steel
- Maximum Wind Speed: <60m/s
- Maximum Snow Load: <1.4KN/m²
- Reference Standard: JIS C 8955 or local standards
- Warranty: 10 years

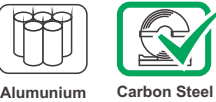


Component



Component List

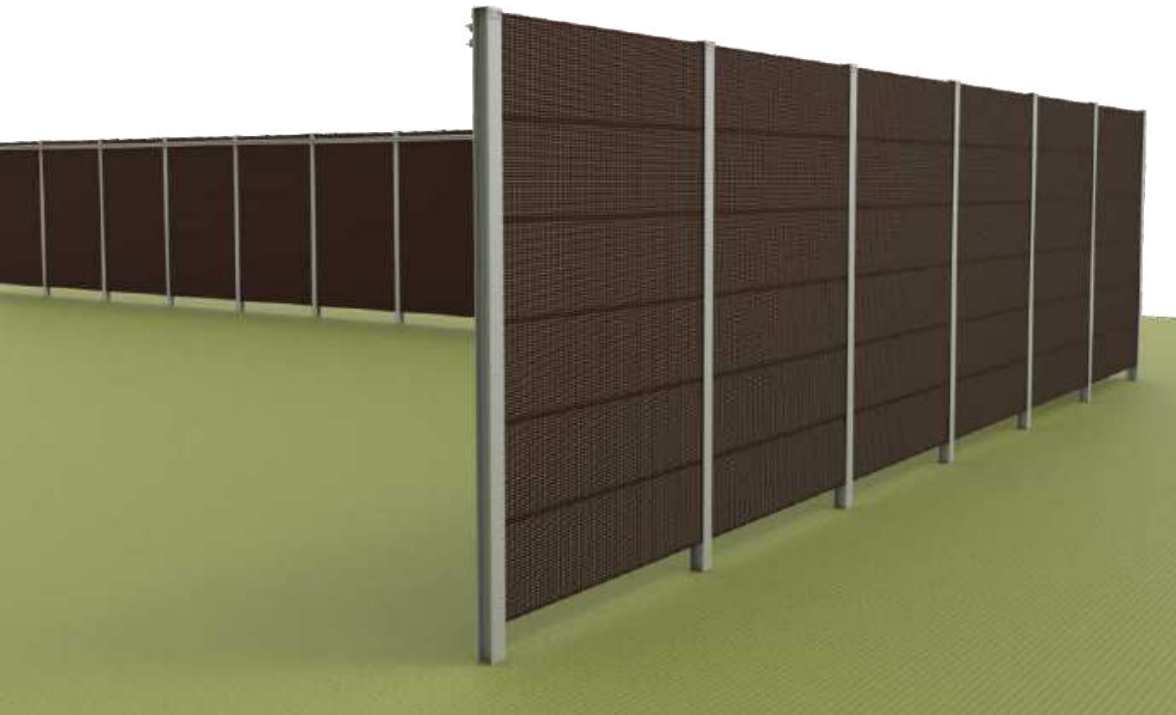
Name	Material	Specification	QTY
Hook	SUS304	R33×50mm	2pcs
Beam	6005-T5	1300mm	2pcs
Rail	6005-T5	1300mm	2pcs
Adjustable rear leg	6005-T5	/	2pcs
Bottom tie rod(Long)	6005-T5	1300mm	1pcs
Bottom tie rod(Short)	6005-T5	150mm	2pcs



Sound Barrier System (Carbon Steel)

GS-Ground Mounting System Solution

The GS Sound Barrier System utilizes carbon steel, delivering excellent sound insulation, robust wind resistance, and high structural strength. Its streamlined design leads to minimal installation steps, enabling rapid installation to save time and labour costs. All components have corrosion coating, ensuring high durability, corrosion resistance, and extended service life, thereby reducing maintenance expenses.

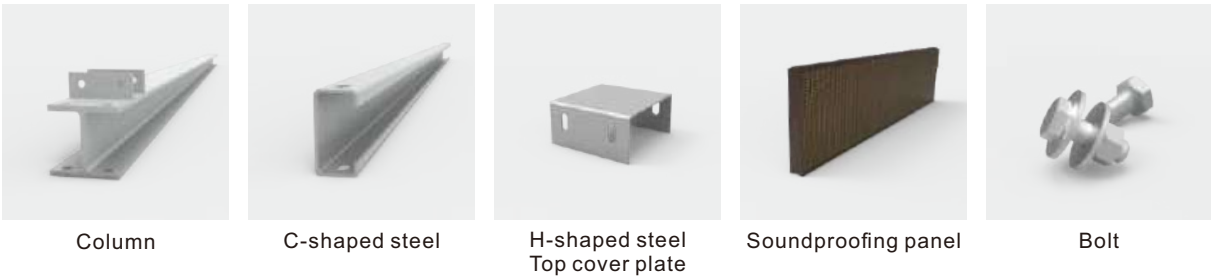


Product Specifications

- Installation Site: Ground
- Inclination: 90°
- Structural height: < 3.1m
- Material: Q355 & ZAM
- Colour: Brown or customized
- Surface treatment: Powder coating & Hot-dip galvanizing & Magnesium-aluminium-zinc coating
- Foundation: Concrete
- Maximum Wind Speed: <40m/s
- Maximum Snow Load: <200cm
- Reference Standard: JIS C 8955 or local standards
- Warranty: 10 years



Component

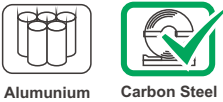


Project Information

East-west spacing	2m	height	3.02m
Arrange	1*6	Design wind speed	34m/s
Number of soundproofing panels	36 pcs		

Component List

Name	Material	Specification	QTY
Column	Q355	3820mm	7pcs
Soundproofing panel	Q195	1970mm	36pcs
Cover plate	Q195	104x50x1.5mm	7pcs
C-shaped steel	ZAM	1990mm	6pcs
Bolt	SUS304	M8x12	28pcs
Bolt	HDG	M10x30	24pcs



Energy Storage Mounting System (Carbon Steel)

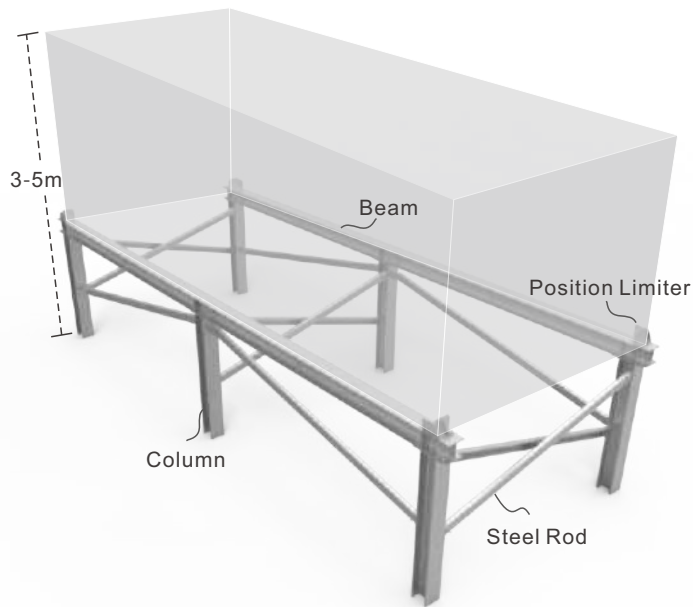
GS-Ground Mounting System Solution

The GS Energy Storage Mounting System utilizes high-strength H-section steel, offering formidable mechanical properties to ensure structural integrity under heavy loads. Adopting steel structure significantly reduces material usage compared to traditional concrete methods. The system facilitates easy and rapid installation and minimizing construction time. It is suitable for operation in diverse corrosive environments, delivering long-term structural stability.



Product Specifications

- Installation Site: Ground
- Structural Height: 3-5m
- Material: Q235 or Q355
- Colour: Silver or customized
- Surface Treatment: Hot-dip galvanized
- Foundation: Concrete or on ground
- Maximum Wind Speed: <46m/s
- Maximum Snow Load: <150cm
- Reference Standard: JIS C 8955 or local standards
- Warranty: 10 years



Component

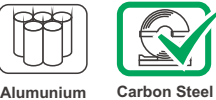


Project Information

Energy Storage Cabinet Dimensions	6250*2500*3000mm	North-south Span	2.5m
Energy Storage Cabinet Weight	25-46T	East-west Span	3m
Ground Clearance	0.3-1.5m		

Component List

Name	Material	Specification	QTY
Column	Q355	1350mm	6pcs
Beam	Q355	6350mm	2pcs
Steel Rod 1	S450GD-ZM275	2220mm	6pcs
Steel Rod 2	S450GD-ZM275	2770mm	4pcs
Position Limiter 1	Q235	125mm	2pcs
Position Limiter 2	Q235	125mm	2pcs
Bolt	Class 8.8	M12	64pcs



Containerized Top Mounting System (Carbon Steel)

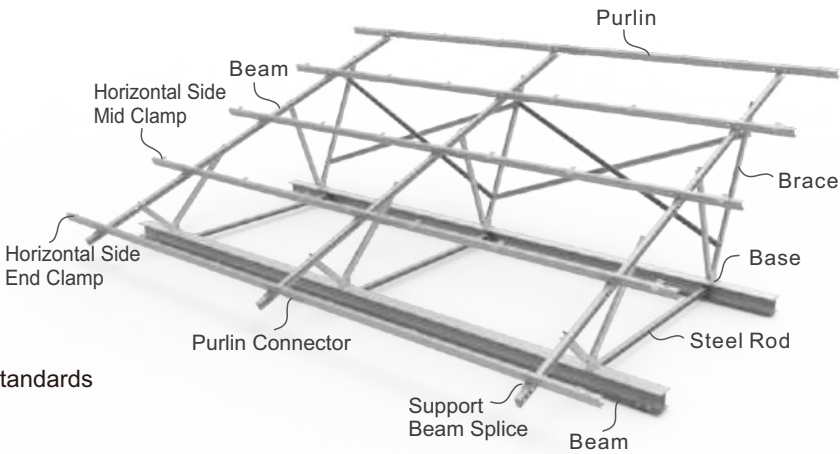
GS-Ground Mounting System Solution

Containerized Energy Storage System top mounting system employs a combination of high-strength H-shaped steel and C-shaped steel, delivering robust mechanical performance suitable for mainstream solar panels. Modules also provide shading, reducing direct sunlight exposure to the container top. This, coupled with ventilation and heat dissipation from the base energy storage structure, comprehensively lowers the internal container temperature, thereby extending the operational lifespan of the energy storage equipment.

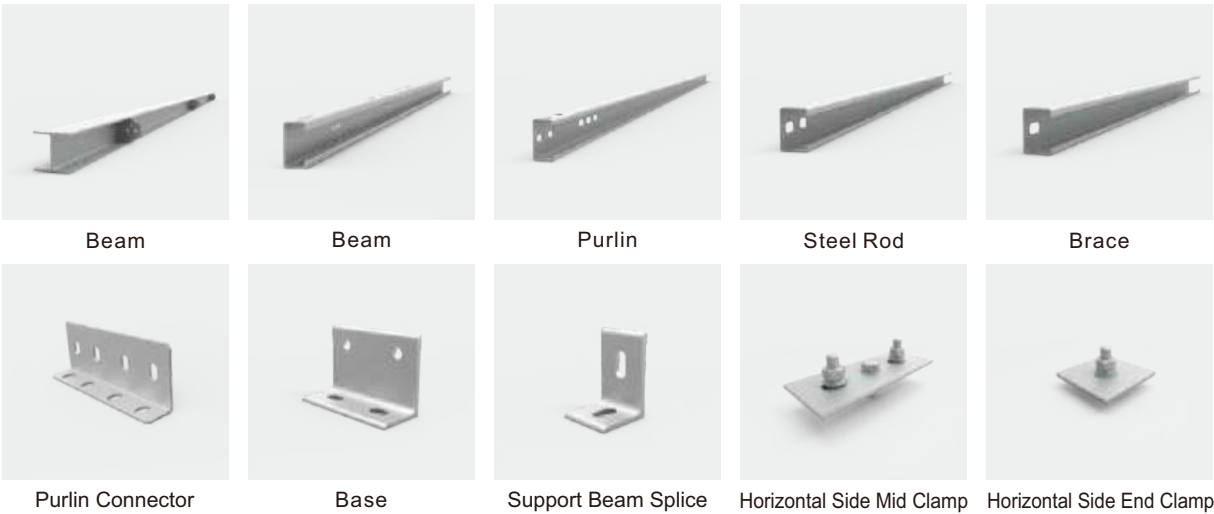


Product Specifications

- Installation Site: Ground
- Structural Height: 3-5m
- Material: Q235 / Q355 / S450GD-ZM275
- Colour: Silver or customized
- Surface Treatment: Hot-dip galvanized / Aluminium-Zinc-Magnesium coated
- Foundation: Container top
- Maximum Wind Speed: <46m/s
- Maximum Snow Load: <150cm
- Reference Standard: JIS C 8955 or local standards
- Warranty: 10 years

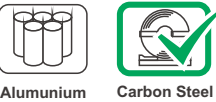


Component



Component List (4 rows, 3 columns)

Name	Material	Specification	QTY
Beam	Q355	6350mm	2pcs
Steel Rod	S450GD-ZM275	2130mm	3pcs
Brace	S450GD-ZM275	500mm & 1071mm & 1201mm & 1677mm	3+3+3+3pcs
Beam	S450GD-ZM275	4800mm	3pcs
Steel Rod	S450GD-ZM275	2875mm	4pcs
Purlin	S450GD-ZM275	3450mm & 2840mm	5+5pcs
Base	Q235	150mm	64pcs
Support Beam Splice	Q235	50mm	2pcs
Purlin Connector	S350GD-ZM275	210mm	6pcs
Horizontal Side End Clamp	S350GD-ZM275	50mm	4pcs
Horizontal Side Mid Clamp	S350GD-ZM275	50mm	2pcs
U-Bolt	Class 8.8	M16	4pcs
Bolt	SUS304 & Class 8.8	M8 & M10 & M12	66+78+48pcs



Transformer workbench (Carbon Steel)

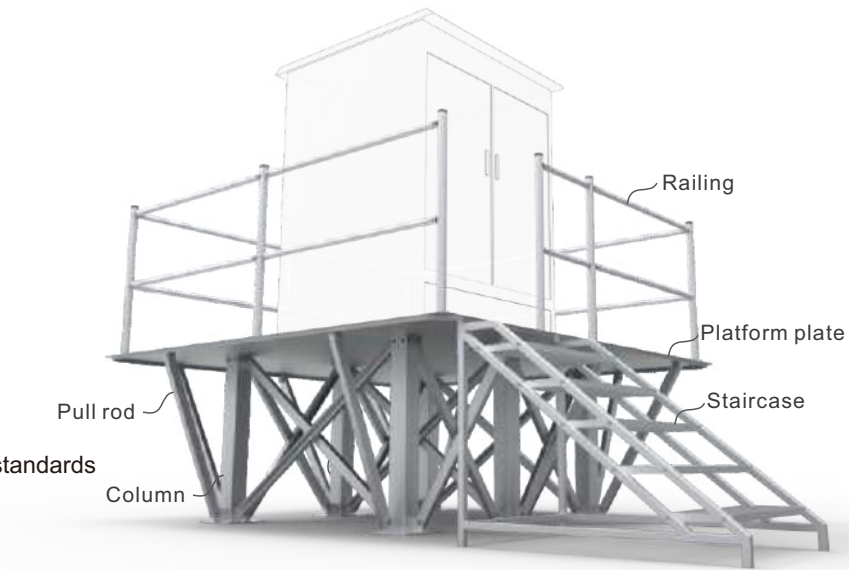
GS-Ground Mounting System Solution

The GS transformer workbench features a raised design, keeping its surface well above the ground to effectively prevent rainwater immersion and corrosion of various components. It also facilitates subsequent inspection and maintenance of electrical components and wiring. The platform provides a safer and more stable foundation for transformer transportation and installation. The overall structure is constructed of high-strength carbon steel, combined with professional anti-corrosion surface treatment, significantly improving durability and drastically reducing construction costs—offering a greater economic advantage compared to traditional concrete solutions.



Product Specifications

- Installation Site: Ground
- Structural Height: 0.5-1.5m
- Material: Q235 or Q355 / S450GD-ZM275
- Colour: Silver or customized
- Surface Treatment: Hot-dip galvanized / Aluminium-Zinc-Magnesium coated
- Foundation: Concrete
- Maximum Wind Speed: <37m/s
- Maximum Snow Load: <120cm
- Reference Standard: JIS C 8955 or local standards
- Warranty: 10 years



Component



Column assembly



Railing assembly



Staircase assembly



Column



Pull rod



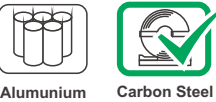
Platform plate



Bolt

Component List

Name	Material	Specification	QTY
Column	Q235	120x120x1060mm	4+2pcs
Pull rod 1	S450GD-ZM275	C60X40X10X1640mm	6pcs
Pull rod 2	S450GD-ZM275	C60X40X10X1240mm	8pcs
Pull rod 3	S450GD-ZM275	C60X40X10X1090mm	4pcs
Pull rod 4	S450GD-ZM275	C60X40X10X1190mm	6pcs
Railing	Q235B	1040mm	9pcs
Staircase	Q235B	180x5x870mm	1pcs



Transformer + Combiner Box Integrated Bracket (carbon steel)

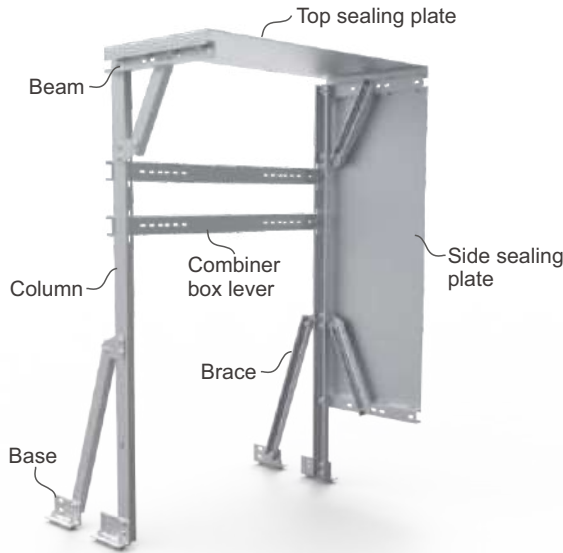
GS-Ground Mounting System Solution

The GS transformer + combiner box integrated bracket that allows the PCS to be placed above a step-down transformer. It is constructed with high-strength C-shaped steel, possessing robust mechanical properties and suitable for various rooftop installation projects. The bracket is fixed to a concrete foundation, completely avoiding the damage to the soil and roof structure caused by traditional methods, ensuring safety and reliability. Its unique "rack-on-rack" design allows the PCS to be placed directly above the transformer, significantly saving the installation space.

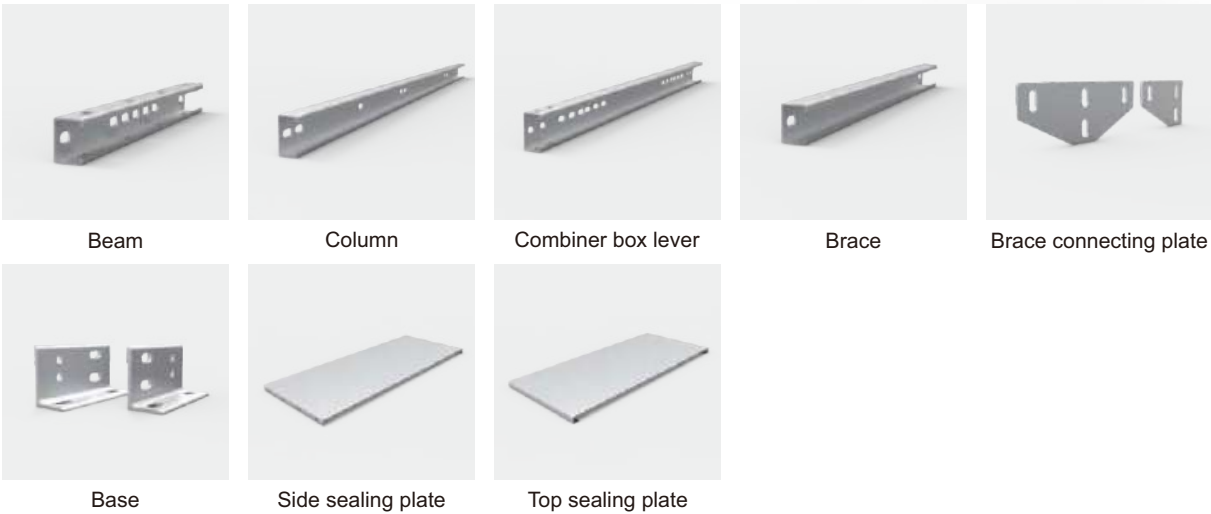


Product Specifications

- Installation Site: Ground
- Structural Height: 2-3m
- Material: Q235 / S450GD-ZM275
- Colour: Silver or customized
- Surface Treatment: Hot-dip galvanized / Aluminium-Zinc-Magnesium coated
- Foundation: Concrete
- Maximum Wind Speed: <46m/s
- Maximum Snow Load: <100cm
- Reference Standard: JIS C 8955 or local standards
- Warranty: 10 years



Component



Component List

Name	Material	Specification	QTY
Column	S450GD-ZM275	2000mm	2pcs
Brace	S450GD-ZM275	766mm & 423mm	2+3pcs
Beam	S450GD-ZM275	600mm	3pcs
Combiner box lever	S450GD-ZM275	1310mm	2pcs
Brace connecting plate	Q235B	150mm	3pcs
Brace connecting plate	Q235B	250mm	1pcs
Top sealing plate	S450GD-ZM275	1380mm	1pcs
Side sealing plate	S450GD-ZM275	1500mm	1pcs
Base No. 1	Q235B	200mm	2pcs
Base No. 2	Q235B	200mm	2pcs
Bolt	Class 8.8	M10 & M12	20+25pcs

PV Cable Support System

GS-Ground Mounting System Solution

The photovoltaic (PV) cable support system is an important electrical auxiliary project in PV power plant EPC turnkey projects. It mainly serves areas such as the PV array field, inverter area, combiner box and booster station, and is used for centralized laying, organizing and protecting PV DC cables, inverter AC output cables, as well as control and communication cables. The PV cable support system is a structural system specifically designed to support, secure and protect DC/AC cables in a PV power plant. Different from the mounting system used for supporting PV panels, its core functions are to organize and route cables, ensure heat dissipation, provide wind and corrosion resistance, and adapt to various scenarios including ground mounts, rooftops, and mountainous terrain.



Product Specifications

- Installation Site: Ground
- Structural Height: 2-3m
- Material: Q235 / Cold Rolled Steel
- Colour: Silver or customized
- Surface Treatment: Hot-dip galvanized
- Foundation: Concrete
- Maximum Wind Speed: <46m/s
- Maximum Snow Load: <100cm
- Reference Standard: JIS C 8955 or local standards
- Warranty: 10 years



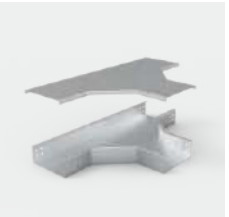
Component



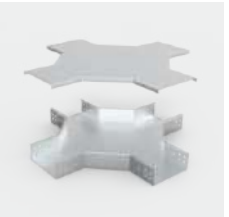
Cable tray



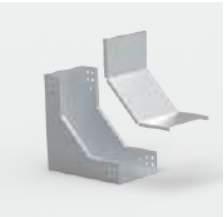
Horizontal elbow



Horizontal tee



Horizontal cross



Vertical elbow



Vertical tee



Cable trench support



Cable tray base



Cable tray base



Bolt

Component List

Name	Material	Specification
Cable tray	Cold Rolled Steel	W(50~600mm)*H(25~200mm)*L(Length customizable)
Horizontal elbow	Cold Rolled Steel	W(50~600mm)*H(25~200mm)
Horizontal tee	Cold Rolled Steel	W(50~600mm)*H(25~200mm)
Horizontal cross	Cold Rolled Steel	W(50~600mm)*H(25~200mm)
Vertical elbow	Cold Rolled Steel	W(50~600mm)*H(25~200mm)
Vertical tee	Cold Rolled Steel	W(50~600mm)*H(25~200mm)

Rail

	Item No.	Name	Description	Package
	GS-DR-(length) Classical	DR Rail	Spec: 55*28mm Customized length	8pcs/bundle, 512pcs/pallet
	GS-DR-D-(length) Classical	DR Rail	Spec: 55*27.2mm Customized length	8pcs/bundle, 576pcs/pallet
	GS-XR-VA-(length) Classical	XR Rail	Spec: 48*28mm Customized length	8pcs/bundle, 576pcs/pallet
	GS-SR-(length) Classical	SR Rail	Spec: 50*28mm Customized length	8pcs/bundle
	GS-10R-(length) Economy	GS 10# Rail	Spec: 46*28mm Customized length	8pcs/bundle, 512pcs/pallet
	GS-DR4-(length)	DR 4# Rail	Spec: 57*33mm Customized length	8pcs/bundle, 336pcs/pallet
	GS-DR5-(length)	DR 5# Rail	Spec: 55*49mm Customized length Cable Rail	8pcs/bundle, 336pcs/pallet
	GS-7R-(length)	GS 7# Rail	Spec: 38*36mm Customized length	8pcs/bundle, 560pcs/pallet
	GS-16R-(length)	GS 16# Rail	Spec: 42*27.4mm Customized length	8pcs/bundle
	GS-DWR-(length)	DWR Rail	Spec: 40*40mm Customized length	4pcs/bundle
	GS-ER-(length)	ER Rail	Spec: 39*33.2mm Customized length	8pcs/bundle
	GS-UIR-(length)	UIR Rail	Spec: 36*45mm Customized length	8pcs/bundle
	GS-HR-(length)	HR Rail	Spec: 55*28mm Customized length	8pcs/bundle, 340pcs/pallet
	GS-HR01-(length)	HR01 Rail	Spec: 37.6*27mm Customized length	8pcs/bundle
	GS01-IHR-(length)	IDH Rail	Spec: 38*29.4mm Customized length	8pcs/bundle

Rail Splice

	GS-DR-SP	DR Rail Splice Kit	Connect two pcs DR Rail Pre-assembly	50 kits/box 4 boxes/CTN
	GS-DR-SP-GW	DR Rail Splice with Ground Washer	Connect two pcs DR Rail with ground washer Pre-assembly	50 kits/box 4 boxes/CTN
	GS-DR4-SP	GS 4# Rail Splice Kit	Connect two pcs DR 4# Rail Pre-assembly	15 kits/box 4 boxes/CTN
	GS-7R-SP	GS 7# Rail Splice Kit	Connect two pcs GS 7# Rail Pre-assembly	50 kits/box 4 boxes/CTN
	GS-ER-SP	ER Rail Splice Kit	Connect two pcs ER Rail	55 kits/box 4 boxes/CTN
	GS-DR4-SP-02	DR 4# Rail Splice Kit	Connect two pcs DR 4# Rail Pre-assembly	100 kits/box 4 boxes/CTN
	GS-UIR-SP	UIR Rail Splice Kit	Connect two pcs UIR Rail	100 kits/box 4 boxes/CTN

Accessories

	Item No.	Name	Description	Package
	GS-A-PC01	Plastic Cable Clip	Nylon 66, black connection 2 wires with GS Rail by side	1000 kits/box 4 boxes/CTN
	GS-A-DRC-SG	GS Rail Cap	Nylon 66, Silver Gray End Cap for GD Rail	1000 kits/box 4 boxes/CTN
	GS-SSCC-03	SS Cable Clip 3#	Stainless Steel connection 4 wires with the bottom of Frame Module	2000 kits/box 4 boxes/CTN
	GS-SSCC-05	SS Cable Clip 5#	Stainless Steel connection 2 wires with the bottom of Frame Module	1000 kits/box 4 boxes/CTN
	GS-CT-01	Cable Tie 1# 4.6x300	SUS304 with PVC Coat Tie the cable with Rail	1000 kits/box 4 boxes/CTN
	GS-DC-330-240	GS DC Isolator Box	AL5052,330x240mm With 2x D module Kits Enclosure for fixing the DC Isolator onto GS rail	20 kits/box 4 boxes/CTN
	GS-CRC-(length)	Cable Rail Cap	Customized length Cap of Cable Rail	8pcs/bundle

Module Clamp

	Item No.	Name	Description	Package
Mid Clamp Kit 	GS-IC-F30	Inter Clamp Kit 30-32mm	Inter Clamp D- Module Socket Head Screw M8 Pre-assembly	100 kits/box 4 boxes/CTN
	GS-IC-F35	Inter Clamp Kit 35mm		
	GS-IC-F40	Inter Clamp Kit 40mm		
	GS-IC-F46	Inter Clamp Kit 46mm		
	GS-IC-F50	Inter Clamp Kit 50mm		
	GS-IC-F30-TH-G01	Inter Clamp Kit 30-32mm	Inter Clamp D- Module Socket Head Screw M8 Grounding Clip Spring Pre-assembly	100 kits/box 4 boxes/CTN
	GS-IC-F35-TH-G01	Inter Clamp Kit 35mm		
	GS-IC-F40-TH-G01	Inter Clamp Kit 40mm		
	GS-IC-F46-TH-G01	Inter Clamp Kit 46mm		
	GS-IC-F50-TH-G01	Inter Clamp Kit 50mm		
	GS-IC-F30-TH-G02	Inter Clamp Kit 30-32mm	Inter Clamp D- Module Socket Head Screw M8 Grounding Clip Spring Pre-assembly	100 kits/box 4 boxes/CTN
	GS-IC-F35-TH-G02	Inter Clamp Kit 35mm		
	GS-IC-F40-TH-G02	Inter Clamp Kit 40mm		
	GS-IC-F46-TH-G02	Inter Clamp Kit 46mm		
	GS-IC-F50-TH-G02	Inter Clamp Kit 50mm		
End Clamp Kit 	GS-EC-F30	End Clamp Kit 30mm	End Clamp D- Module Socket Head Screw M8 Washer Pre-assembly	100 kits/box 4 boxes/CTN
	GS-EC-F35	End Clamp Kit 35mm		
	GS-EC-F40	End Clamp Kit 40mm		
	GS-EC-F46	End Clamp Kit 46mm		
	GS-EC-F50	End Clamp Kit 50mm		
	GS-IC-L80	Thin Film Inter Clamp Kit	Top and Bottom Clamp D- Module Socket Head Screw M8 Pre-assembly	40 kits/box 4 boxes/CTN
	GS-EC-L80	Thin Film End Clamp Kit		50 kits/box 4 boxes/CTN

Module Clamp

	Item No.	Name	Description	Package
Adjustable Clamp Kit 	GS-EC-A02	GS Adjustable End Clamp 2#, 30~46mm	End Clamp D- Module Socket Head Screw M8 Washer Pre-assembly	100 kits/box 4 boxes/CTN
	GS01-EC-F35/F40	GS End Clamp Kit for 35 or 40mm		100 kits/box 4 boxes/CTN
	GS-AC-Q01	GS Universal modules Clamp Kit, 30~46mm	Clamp T- Module Socket Head Screw M8 Washer Pre-assembly can be as the inter or end clamp	50 kits/box 4 boxes/CTN
	GS-DEC	GS New End Clamp Kit 30~46mm	Clamp T- Module Socket Head Screw M8 Washer Pre-assembly	50 kits/box 4 boxes/CTN
	GS-DIC	GS New Inter Clamp Kit 30~46mm		50 kits/box 4 boxes/CTN
Rail Clamp Kit 	GS-RC-D	GD Rail Clamp Kit	Clamp D- Module Socket Head Screw M8 Washer Pre-assembly	100 kits/box 4 boxes/CTN
	GS-7RC-D	7# Rail Clamp Kit		100 kits/box 4 boxes/CTN
	GS-2RC-01	Adjustable-Rail Clamp Kit	Clamp Socket Head Screw M8*25 Spring Washer,M8 Lock Washer,M8 Hexagon Nut, M8 Pre-assembly	100 kits/box 4 boxes/CTN
	GS-ER-RC	ER Rail Clamp Kit	Clamp Semi-round head square diameter bolt M8*25 Hexagonal flange nut M8 Pre-assembly	100 kits/box 4 boxes/CTN
	GS-ER-GD	Rail fixing module kit	Left fixing module, Right fixing module, Hexagon bolt M8*40, Spring washerM8, Disc springs M8, Spring 0.8*D10*H25 Pre-assembled	100 kits/box 4 boxes/CTN

Fasten

	Item No.	Name	Description	Package
	GS-F-S820	Socket Head Screw	Stainless Steel A2-70, M8*20	Package on request
	GS-F-S825	Socket Head Screw	Stainless Steel A2-70, M8*25	
	GS-F-S828	Socket Head Screw	Stainless Steel A2-70, M8*28	
	GS-F-S830	Socket Head Screw	Stainless Steel A2-70, M8*30	
	GS-F-S835	Socket Head Screw	Stainless Steel A2-70, M8*35	
	GS-F-S840	Socket Head Screw	Stainless Steel A2-70, M8*40	
	GS-F-S845	Socket Head Screw	Stainless Steel A2-70, M8*45	
	GS-F-S850	Socket Head Screw	Stainless Steel A2-70, M8*50	
	GS-F-S855	Socket Head Screw	Stainless Steel A2-70, M8*55	
	GS-F-S860	Socket Head Screw	Stainless Steel A2-70, M8*60	
	GS-F-S865	Socket Head Screw	Stainless Steel A2-70, M8*65	
	GS-F-AS820	Anti-Theft Screw	Stainless Steel A2-70, M8*20	
	GS-F-AS825	Anti-Theft Screw	Stainless Steel A2-70, M8*25	
	GS-F-AS828	Anti-Theft Screw	Stainless Steel A2-70, M8*28	
	GS-F-AS830	Anti-Theft Screw	Stainless Steel A2-70, M8*30	
	GS-F-AS835	Anti-Theft Screw	Stainless Steel A2-70, M8*35	
	GS-F-AS840	Anti-Theft Screw	Stainless Steel A2-70, M8*40	
	GS-F-AS845	Anti-Theft Screw	Stainless Steel A2-70, M8*45	
	GS-F-AS850	Anti-Theft Screw	Stainless Steel A2-70, M8*50	
	GS-F-AS855	Anti-Theft Screw	Stainless Steel A2-70, M8*55	
	GS-F-AS860	Anti-Theft Screw	Stainless Steel A2-70, M8*60	
	GS-F-AS865	Anti-Theft Screw	Stainless Steel A2-70, M8*65	
	GS-F-AB08	Anti-Theft Screw Bit	Tool for the anti-thief screw M8	
	GS-F-N108	Hexagon Nut, M8	Stainless Steel A2-70, M8	
	GS-F-N208	Serrated flange nut, M8	Stainless Steel A2-70, M8	
	GS-F-N210	Serrated flange nut, M10	Stainless Steel A2-70, M10	
	GS-F-N212	Serrated flange nut, M12	Stainless Steel A2-70, M12	

Fasten

	Item No.	Name	Description	Package
	GS-F-W108	Spring Washer, M8	Stainless Steel A2-70 M8	Package on request
	GS-F-W208	Lock Washer, M8 OD13	Stainless Steel A2-70, M8, OD13	
	GS-F-W308	Lock Washer, M8 OD18	Stainless Steel A2-70, M8, OD18	
	GS-F-T625	Self-tapping Screw	Stainless Steel 410 St6.3x25	
	GS-FS-W660	Wood Screw	Stainless Steel 410 St6.3x60 With Pad	
	GS-FS-W680	Wood Screw	Stainless Steel 410 St6.3x80 With Pad	60 kits/box 4 boxes/CTN
	GS-F-H020	Hanger Bolt	Stainless Steel A2-70 M10x200	
	GS-FA-H020	Hanger Bolt Assembly	Stainless Steel Hanger Bolt& 3xFlange Nuts & Rubber Pad M10x200	
	GS-8# Hanger Bolt	GS 8# Hanger Bolt	Stainless Steel Hanger Bolt	25 kits/box 4 boxes/CTN
	GS-8# Hanger Bolt Clip Assembly	GS 8# Hanger Bolt Clip Assembly (M10x200)	M10x200	

Grounding System

	Item No.	Name	Description	Package
	GS-G-GC	Grounding Clip	Stainless Steel Plate	1000 kits/box 4 boxes/CTN
	GS-G-GL	Grounding Lug	Stainless Steel Plate Aluminum Lay-in Lug Fastens Pre-assembly	200 kits/box 2 boxes/ CTN II
	GS-G-BJ-A	Bonding Jumper	Braider copper wire Stainless Steel Plate Socket Head Screw Pre-assembly	100 kits/box 2 boxes/CTN II

Seismic bracing system

Mounting System Solution

Xiamen Grace Solar New Energy Technology Co., Ltd. is a high-tech enterprise integrating photovoltaic mounting systems, electromechanical seismic bracing systems, pre-embedded channels, and BIM consulting. Its business scope covers the design and production of professional PV mounting systems, support and hanger solutions, and BIM consulting.

Our product portfolio includes lateral seismic braces, longitudinal seismic braces, and two-way composite seismic braces, widely applicable to various mechanical and electrical pipeline scenarios such as water supply and drainage, fire sprinkler systems, ventilation and air conditioning, and power and weak current cable trays.

With high-strength hot-dip galvanized / zinc-aluminum-magnesium coated steel, standardized prefabricated installation technology, and a professional engineering service team, we are committed to building a solid electromechanical safety line for every building, ensuring safer urban operations.



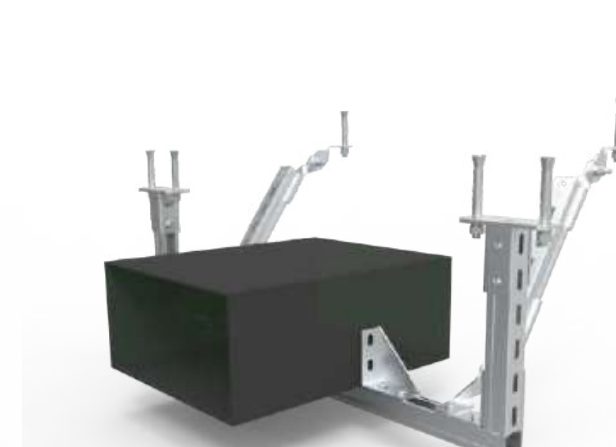
DN65-200
Single Pipe Lateral and Longitudinal Support



DN65-200
Single Pipe Longitudinal Support



DN65-200
Single Pipe Pedestal-Type Longitudinal Support



Rectangular Pipe Longitudinal Support

Galvanized Magnesium-Aluminum-Zinc Coated U-Channel

- Reinforced ribs on both sides to increase tensile strength
- Auxiliary scale markings for easy on-site installation; slotted holes for convenient adjustment
- Magnesium-aluminum-zinc coating provides self-healing properties, maintenance-free, and aesthetic appearance
- Quick and easy pipe fixing, perfect for pipe and cable tray supports and other process installations
- Simple installation; combines with steel or concrete structures to form various support and hanger systems
- Various accessories can be freely matched with the U-channel, offering high safety performance



Model	Name	Specification	Material	Surface Treatment
U4141-2.0	U-Channel	41*41*2.0	S450GD	ZM275
U4141-2.5		41*41*2.5	S450GD	ZM275
U4162-2.0		41*62*2.0	S450GD	ZM275
U4162-2.5		41*62*2.5	S450GD	ZM275

Single Pipe Seismic Pipe Clamp

- Suitable for suspended single-pipe installation with high safety performance
- EG > 12μm / HDG ≥ 55μm
- Applicable to various pipe sizes
- Surface treatment: Electro-galvanized (EG) or Hot-dip galvanized (HDG)
- Thickness: 4mm & 6mm



Model	Name	Specification	Material	Surface Treatment
GS-KZ-GJ-DG01	Single Pipe Seismic Pipe Clamp	DN65-76	Q235B	HDG≥55μm
GS-KZ-GJ-DG02		DN80-89	Q235B	HDG≥55μm
GS-KZ-GJ-DG03		DN100-108	Q235B	HDG≥55μm
GS-KZ-GJ-DG04		DN100-114	Q235B	HDG≥55μm
GS-KZ-GJ-DG05		DN125-133	Q235B	HDG≥55μm
GS-KZ-GJ-DG06		DN125-140	Q235B	HDG≥55μm
GS-KZ-GJ-DG07		DN150-159	Q235B	HDG≥55μm
GS-KZ-GJ-DG08		DN150-169	Q235B	HDG≥55μm
GS-KZ-GJ-DG09		DN200-219	Q235B	HDG≥55μm

Single-bolt seismic pipe clamp

- Suitable for suspended single-pipe installation with high safety performance
- EG > 12μm / HDG ≥ 55μm
- Applicable to various pipe sizes
- Surface treatment: Electro-galvanized or Hot-dip galvanized
- Thickness: 4mm & 6mm



Model	Name	Specification	Material	Surface Treatment
GS-KZ-GJ-DL01	Single-bolt seismic pipe clamp	DN65-76	Q235B	HDG≥55μm
GS-KZ-GJ-DL02		DN80-89	Q235B	HDG≥55μm
GS-KZ-GJ-DL03		DN100-108	Q235B	HDG≥55μm
GS-KZ-GJ-DL04		DN100-114	Q235B	HDG≥55μm
GS-KZ-GJ-DL05		DN125-133	Q235B	HDG≥55μm
GS-KZ-GJ-DL06		DN125-140	Q235B	HDG≥55μm
GS-KZ-GJ-DL07		DN150-159	Q235B	HDG≥55μm
GS-KZ-GJ-DL08		DN150-169	Q235B	HDG≥55μm
GS-KZ-GJ-DL09		DN200-219	Q235B	HDG≥55μm

Suspended single-pipe seismic clamp

- Suitable for suspended single-pipe installation with high safety performance
- EG > 12μm / HDG ≥ 55μm
- Applicable to various pipe sizes
- Surface treatment: Electro-galvanized or Hot-dip galvanized
- Thickness: 4mm & 6mm



Model	Name	Specification	Material	Surface Treatment
GS-KZ-GJ-DS01	Suspended single-pipe seismic clamp	DN65-76	Q235B	HDG≥55μm
GS-KZ-GJ-DS02		DN80-89	Q235B	HDG≥55μm
GS-KZ-GJ-DS03		DN100-108	Q235B	HDG≥55μm
GS-KZ-GJ-DS04		DN100-114	Q235B	HDG≥55μm
GS-KZ-GJ-DS05		DN125-133	Q235B	HDG≥55μm
GS-KZ-GJ-DS06		DN125-140	Q235B	HDG≥55μm
GS-KZ-GJ-DS07		DN150-159	Q235B	HDG≥55μm
GS-KZ-GJ-DS08		DN150-169	Q235B	HDG≥55μm
GS-KZ-GJ-DS09		DN200-219	Q235B	HDG≥55μm

● Pedestal-Type Seismic Pipe Clamp

- Suitable for all types of pipes up to DN250
- Anti-slip and anti-loosening function
- Manufacturing standard: DIN EN 10025



Model	Name	Specification	Material	Surface Treatment
GS-KZ-GJ-Z01	Pedestal-Type Seismic Pipe Clamp	DN65-76	Q235B	HDG≥55μm
GS-KZ-GJ-Z02		DN80-89	Q235B	HDG≥55μm
GS-KZ-GJ-Z03		DN100-108	Q235B	HDG≥55μm
GS-KZ-GJ-Z04		DN100-114	Q235B	HDG≥55μm
GS-KZ-GJ-Z05		DN125-133	Q235B	HDG≥55μm
GS-KZ-GJ-Z06		DN125-140	Q235B	HDG≥55μm
GS-KZ-GJ-Z07		DN150-159	Q235B	HDG≥55μm
GS-KZ-GJ-Z08		DN150-169	Q235B	HDG≥55μm
GS-KZ-GJ-Z09		DN200-219	Q235B	HDG≥55μm

● Seismic Hinge

- Suitable for seismic connection between U-channel and pipe clamp
- Applicable for longitudinal and lateral seismic support applications
- Allows multi-angle adjustment
- Surface treatment: Electro-galvanized or Hot-dip galvanized



Model	Name	Specification	Material	Surface Treatment
GS-KZ-JL01	Seismic Hinge	40*4	Q235B	HDG≥55μm

● Single-Hole Channel Base Plate

- Suitable for seismic connection between U-channel and various components
- Surface treatment: Electro-galvanized or Hot-dip galvanized



Model	Name	Specification	Material	Surface Treatment
GS-KZ-KB01	Single-Hole Channel Base Plate	40*4	Q235B	HDG≥55μm

● Double-Hole Channel Base Plate

- Suitable for seismic connection between U-channel and various components
- Surface treatment: Electro-galvanized or Hot-dip galvanized



Model	Name	Specification	Material	Surface Treatment
GS-KZ-KB02	Double-Hole Channel Base Plate	80*4	Q235B	HDG≥55μm

● Screw Base

- Used as a base for connecting threaded rods to structures; also for channel-to-channel connections or for mounting channels on both sides
- Double anchor elongated holes for easy installation; versatile design for increased adaptability
- Surface treatment: Electro-galvanized or Hot-dip galvanized



Model	Name	Specification	Material	Surface Treatment
GS-KZ-LD01	Screw Base	40*4	Q235B	HDG≥55μm

● Channel 41 Base

- Used for channel-to-structure and channel-to-channel connections
- High strength, reliable connection; cross connection with channel increases longitudinal stability of the support
- Surface treatment: Electro-galvanized or Hot-dip galvanized



Model	Name	Specification	Material	Surface Treatment
GS-KZ-DZ41	41 Base	60*6	Q235B	HDG≥55μm

● Channel 82 Base

- Used for channel-to-structure and channel-to-channel connections
- High strength, reliable connection; cross connection with channel increases longitudinal stability of the support
- Surface treatment: Electro-galvanized or Hot-dip galvanized



Model	Name	Specification	Material	Surface Treatment
GS-KZ-DZ82	82 Base	63*6	Q235B	HDG≥55μm

● Channel 124 Base

- Used for channel-to-structure and channel-to-channel connections
- High strength, reliable connection; cross connection with channel increases longitudinal stability of the support
- Surface treatment: Electro-galvanized or Hot-dip galvanized



Model	Name	Specification	Material	Surface Treatment
GS-KZ-DZ124	124 Base	68*6	Q235B	HDG≥55μm

● 90° Eight-Hole Corner Bracket

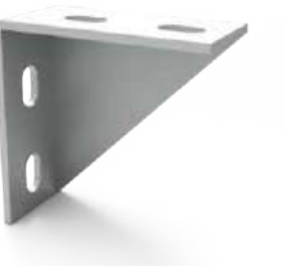
- Suitable for 90° stacked connection of U-channels to increase strength
- Enhances strength and stability of the support system when used with other accessories
- Anti-slip and anti-loosening function
- Manufacturing standard: DIN EN 10025
- Material: Q235B; Surface treatment: EG or HDG



Model	Name	Specification	Material	Surface Treatment
GS-KZ-BJ01	90° Eight-Hole Corner Bracket	135*4	Q235B	HDG≥55μm

● 90° Reinforced Right-Angle Support Bracket -100

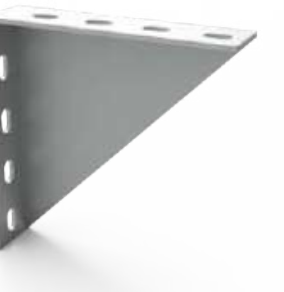
- Suitable for vibration-damping connections between U-shaped steel and various components
- Surface treatment: Electro-galvanized or Hot-dip galvanized



Model	Name	Specification	Material	Surface Treatment
GS-KZ-ZQJ01	90° Reinforced Right-Angle Support Bracket	100*4	Q235B	HDG≥55μm

● 90° Reinforced Right-Angle Support Bracket -200

- The base is used for connecting the screw to the structure, and can also be used for connecting channel steel or for mounting channel steel to both sides
- The double anchor bolt elongated hole design facilitates installation, while the multi-purpose design increases versatility
- Surface treatment: Electro-galvanized or Hot-dip galvanized



Model	Name	Specification	Material	Surface Treatment
GS-KZ-ZQJ02	90° Reinforced Right-Angle Support Bracket	200*4	Q235B	HDG≥55μm

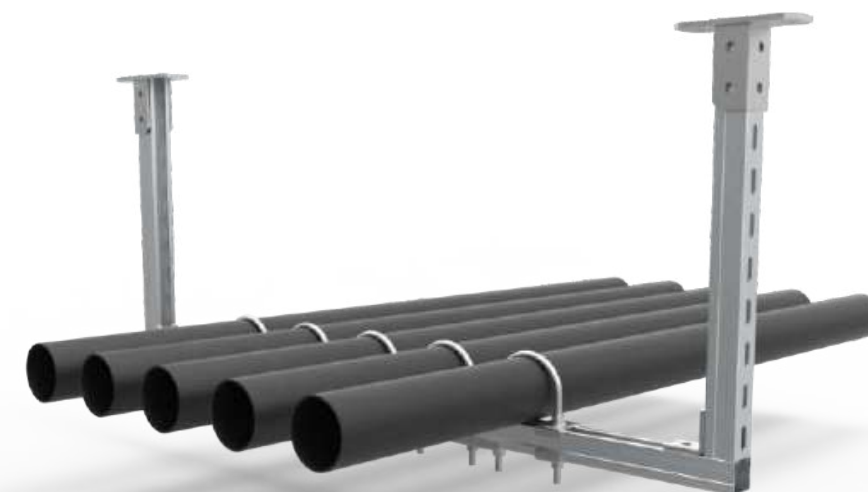
Pipe Fixing System

Mounting System Solution

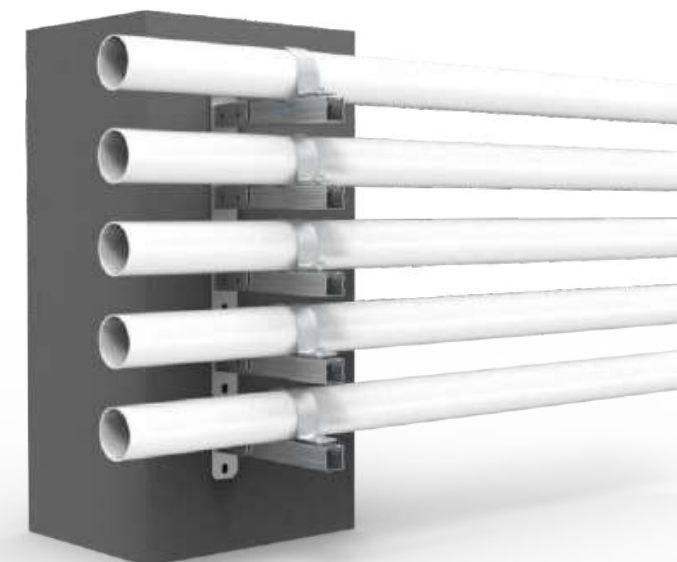
The pipe fixing support is a core structural component specially developed for centralized pipeline installations such as urban utility tunnels and industrial pipe galleries. It plays a key role in supporting the dead weight of pipes, restraining pipe displacement, and resisting external loads, serving as the foundation for ensuring safe, stable, and efficient operation of pipeline systems within pipe galleries.

Our products are made of high-strength steel as the main material, with anti-corrosion and fire-resistant surface treatment, offering excellent corrosion resistance and aging resistance, suitable for complex underground environments. The modular design requires no welding, is easy to install, and facilitates later maintenance. The built-in damping friction structure cushions pipe vibration, avoids wear, and adapts flexibly to pipe bends and diameter changes.

Widely used in municipal, petrochemical, power, and other fields, our products provide safe and reliable pipeline support solutions for various pipe gallery projects, safeguarding the stable operation of the city's "lifeline."



DN80 Horizontal Multi-Pipe Fixing



DN80 Vertical Multi-Pipe Fixing



● U-Channel 4141

- Used to construct the main structure of the fixing system



Model	Name	Specification	Material	Surface Treatment
GS-GD-U4141-2.0	U-Channel	41*41*2.0mm	S450GD	ZM275
GS-GD-U4141-2.5		41*41*2.5mm	S450GD	ZM275

● U-Channel 4162

- Used to construct the main structure of the fixing system



Model	Name	Specification	Material	Surface Treatment
GS-GD-U4162-2.0	U-Channel	41*62*2.0mm	S450GD	ZM275
GS-GD-U4162-2.5		41*62*2.5mm	S450GD	ZM275

● U-Channel 4182

- Used to construct the main structure of the fixing system



Model	Name	Specification	Material	Surface Treatment
GS-GD-U4182-2.0	U-Channel	41*82*2.0mm	S450GD	ZM275
GS-GD-U4182-2.5		41*82*2.5mm	S450GD	ZM275

● U-Channel 41124

- Used to construct the main structure of the fixing system



Model	Name	Specification	Material	Surface Treatment
GS-GD-U41124-2.0	U-Channel	41*124*2.0mm	S450GD	ZM275
GS-GD-U41124-2.5		41*124*2.5mm	S450GD	ZM275

● Single-Hole Base Plate

- Used for connecting accessories



Model	Name	Specification	Material	Surface Treatment
GS-GD-KB-M8	Single-Hole Base Plate	M8	SUS304	SUS304
GS-GD-KB-M10		M10	SUS304	SUS304
GS-GD-KB-M12		M12	SUS304	SUS304

● Plastic Wing Nut

- Used for connecting accessories



Model	Name	Specification	Material	Surface Treatment
GS-GD-SE-M8	Plastic Wing Nut	M8	SUS304	SUS304
GS-GD-SE-M10		M10	SUS304	SUS304
GS-GD-SE-M12		M12	SUS304	SUS304

● Stainless Steel Hexagon Head Bolt

- Used for connecting accessories



Model	Name	Specification	Material	Surface Treatment
GS-F-HB8	Stainless Steel Hexagon Head Bolt	M8	SUS304	SUS304
GS-F-HB10		M10	SUS304	SUS304
GS-F-HB12		M12	SUS304	SUS304

● Stainless Steel Hexagon Nut

- Used for connecting accessories



Model	Name	Specification	Material	Surface Treatment
GS-F-N108	Stainless Steel Hexagon Nut	M8	SUS304	SUS304
GS-F-N110		M10	SUS304	SUS304
GS-F-N112		M12	SUS304	SUS304

● Stainless Steel Spring Washer

- Used for connecting accessories



Model	Name	Specification	Material	Surface Treatment
GS-F-W108	Stainless Steel Spring Washer	M8	SUS304	SUS304
GS-F-W110		M10	SUS304	SUS304
GS-F-W112		M12	SUS304	SUS304

● Stainless Steel Flat Washer

- Used for connecting accessories



Model	Name	Specification	Material	Surface Treatment
GS-F-FW08	Stainless Steel Flat Washer	M8	SUS304	SUS304
GS-F-FW10		M10	SUS304	SUS304
GS-F-FW12		M12	SUS304	SUS304

● Stainless Steel Large Flat Washer

- Used for connecting accessories



Model	Name	Specification	Material	Surface Treatment
GS-F-BW08	Stainless Steel Large Flat Washer	M8	SUS304	SUS304
GS-F-BW10		M10	SUS304	SUS304
GS-F-BW12		M12	SUS304	SUS304

● L-Shaped Base

- L-shaped connection base, suitable for connections between concrete and 41-type U-beams or between steel and 41-type U-beams



Model	Name	Specification	Material	Surface Treatment
GS-GD-B-L	L-Shaped Base	52*52*4mm	Q235	HDG≥55μm

● T-Shaped Base

- Double-hole T-type connection base, suitable for connections between concrete and 41-type U-steel or between steel and 41-type U-steel.



Model	Name	Specification	Material	Surface Treatment
GS-GD-B-T	T-Shaped Base	153*106*4mm	Q235	HDG≥55μm

● O1 Type Base

- Double-hole O1 type connection base, suitable for connections between concrete and 41 U-beams or between steel and 41 U-beams.



Model	Name	Specification	Material	Surface Treatment
GS-GD-B-O1	O1 Type Base	150*101*4mm	Q235	HDG≥55μm

● O2 Type Base

- Double-hole O2 type connection base, suitable for connections between concrete and 82 U-beams or between steel and 82 U-beams.



Model	Name	Specification	Material	Surface Treatment
GS-GD-B-O2	O2 Type Base	200*101*4mm	Q235	HDG≥55μm

● O3 Type Base

- Double-hole O3 type connection base, suitable for connections between concrete and 124 U-beams or between steel and 124 U-beams.



Model	Name	Specification	Material	Surface Treatment
GS-GD-B-O3	O3 Type Base	240*101*4mm	Q235	HDG≥55μm

● L1 Connector

- L1 type 2-hole connector, suitable for connecting U-shaped steel to U-shaped steel



Model	Name	Specification	Material	Surface Treatment
GS-GD-C-L1	L1 Connector	57*57*6mm	Q235	HDG≥55μm

● L2 Connector

- L2 type 3-hole connector, suitable for connecting U-shaped steel to U-shaped steel



Model	Name	Specification	Material	Surface Treatment
GS-GD-C-L2	L2 Connector	57*105*6mm	Q235	HDG≥55μm

● LL1 Connector

- LL1 type connector, suitable for connecting U-shaped steel to U-shaped steel



Model	Name	Specification	Material	Surface Treatment
GS-GD-C-LL1	LL1 Connector	100*100*4mm	Q235	HDG≥55μm

● LL2 Connector

- LL2 type connector, suitable for connecting U-shaped steel to U-shaped steel



Model	Name	Specification	Material	Surface Treatment
GS-GD-C-LL2	LL2 Connector	150*150*4mm	Q235	HDG≥55μm

● T1 Connector

- Type T1 2-hole connector, suitable for connecting U-shaped steel to U-shaped steel



Model	Name	Specification	Material	Surface Treatment
GS-GD-C-T1	T1 Connector	109*58*6mm	Q235	HDG≥55μm

● T2 Connector

- T2 type connector, suitable for connecting U-shaped steel to U-shaped steel



Model	Name	Specification	Material	Surface Treatment
GS-GD-C-T2	T2 Connector	160*160*4mm	Q235	HDG≥55μm

● T3D-2 Connector

- T3D-2 type connector, suitable for 3D connection of U-shaped steel to U-shaped steel



Model	Name	Specification	Material	Surface Treatment
GS-GD-C-T3D-2	T3D-2 Connector	100*58*6mm	Q235	HDG≥55μm

● T3D-3 Connector

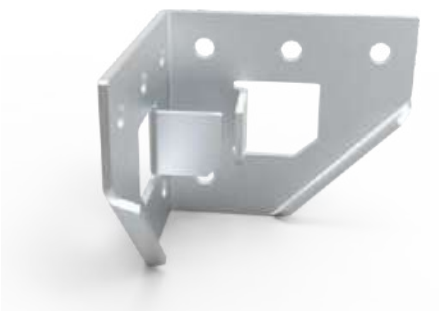
- T3D-3 type connectors are suitable for 3D connections between U-shaped steel sections



Model	Name	Specification	Material	Surface Treatment
GS-GD-C-T3D-3	T3D-3 Connector	163*58*6mm	Q235	HDG≥55μm

● T3D-2 HL Connector

- T3D-2-HL type connectors are suitable for 3D connections between U-shaped steel sections



Model	Name	Specification	Material	Surface Treatment
GS-GD-C-T3D-2-HL	T3D-2 HL Connector	145*126*4mm	Q235	HDG≥55μm

● U4141 Connector

- U4141 connectors are suitable for straight connections between U-shaped steel sections



Model	Name	Specification	Material	Surface Treatment
GS-GD-C-U41-200	U4141 Connector	200*44*4mm	Q235	HDG≥55μm

● U4162 Connector

- U4162 connectors are suitable for straight connections between U-shaped steel sections



Model	Name	Specification	Material	Surface Treatment
GS-GD-C-U62-200	U4162 Connector	300*65*4mm	Q235	HDG≥55μm

● Type-A Angle Bracket

- A-type bend fittings are suitable for adjustable supports between concrete and U-shaped steel or U-shaped steel



Model	Name	Specification	Material	Surface Treatment
GS-GD-AB-A	Type-A Angle Bracket	150*60*4mm	Q235	HDG≥55μm

● Type-L45 Angle Bracket

- L45 type corner fitting, suitable for 45° angle support connection between concrete and U-shaped steel or between U-shaped steel.



Model	Name	Specification	Material	Surface Treatment
GS-GD-AB-L45	Type-L45 Angle Bracket	150*82*4mm	Q235	HDG≥55μm

● Type-LL2-45 Angle Bracket

- LL2-45 type corner fittings are suitable for reinforcing 45° corner support connections between U-shaped steel sections.



Model	Name	Specification	Material	Surface Treatment
GS-GD-AB-LL2-45	Type-LL2-45 Angle Bracket	206*118*4mm	Q235	HDG≥55μm

● Type-41 Clamp

- Type 41 clamp, suitable for cross connection between Type 41 U-beams



Model	Name	Specification	Material	Surface Treatment
GS-GD-CC-41	Type-41 Clamp	133*48*4mm	Q235	HDG≥55μm

● Type-62 Clamp

- Type 62 clamp, suitable for cross connection between Type 62 U-beams



Model	Name	Specification	Material	Surface Treatment
GS-GD-CC-62	Type-62 Clamp	133*68*4mm	Q235	HDG≥55μm

● Type-82 Clamp

- Type 82 clamp, suitable for cross connection between Type 82 U-beams



Model	Name	Specification	Material	Surface Treatment
GS-GD-CC-82	Type-82 Clamp	133*88*4mm	Q235	HDG≥55μm

● Type-124 Clamp

- Type 124 clamp, suitable for cross connection between Type 124 U-beams



Model	Name	Specification	Material	Surface Treatment
GS-GD-CC-124	Type-124 Clamp	133*130*4mm	Q235	HDG≥55μm

● H1-Type Connector

- H1 type connector, suitable for connecting flat plates between U-shaped steel sections of the same specification



Model	Name	Specification	Material	Surface Treatment
GS-GD-CT-H1	H1-Type Connector	100*50*4mm	Q235	HDG≥55μm

● H2-Type Connector

- H2 type connector, suitable for connecting flat plates between U-shaped steel sections of the same specification



Model	Name	Specification	Material	Surface Treatment
GS-GD-CT-H2	H2-Type Connector	100*150*4mm	Q235	HDG≥55μm

● H3-Type Connector

- H3 type connector, suitable for connecting flat plates between U-shaped steel sections of the same specification



Model	Name	Specification	Material	Surface Treatment
GS-GD-CT-H3	H3-Type Connector	150*150*4mm	Q235	HDG≥55μm

● H4-Type Connector

- H4 type connector, suitable for connecting flat plates between U-shaped steel sections of the same specification



Model	Name	Specification	Material	Surface Treatment
GS-GD-CT-H4	H4-Type Connector	200*45*4mm	Q235	HDG≥55μm

● 41/62 Clamping Module

- Type 41/62 clamping module, used for clamping 41/62 U-shaped steel directly onto steel beams



Model	Name	Specification	Material	Surface Treatment
GS-GD-MQT-41/62	41/62 Clamping Module	41/62	Q235	HDG≥55μm

● 82 Clamping Module

- Type 82 clamping module, used for clamping 82 U-shaped steel directly onto steel beams



Model	Name	Specification	Material	Surface Treatment
GS-GD-MQT-82	82 Clamping Module	82	Q235	HDG≥55μm

● 124 Clamping Module

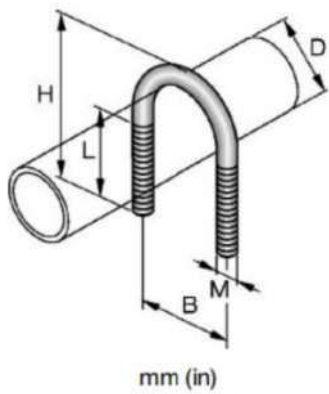
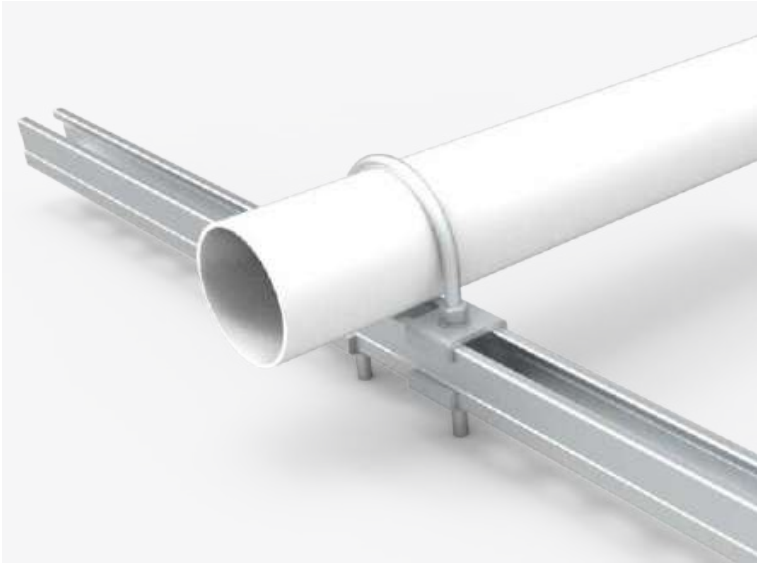
- Type 124 clamping module, used for clamping 124 U-shaped steel directly onto steel beams



Model	Name	Specification	Material	Surface Treatment
GS-GD-MQT-124	124 Clamping Module	124	Q235	HDG≥55μm

• UB-Type Clamping Piece

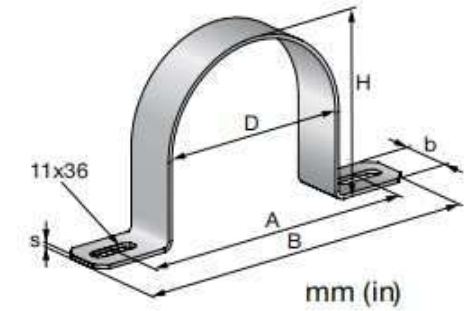
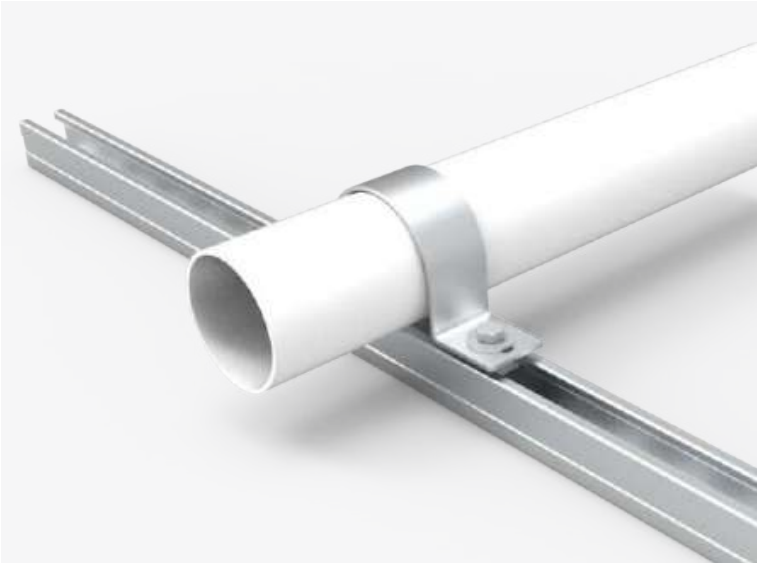
- UB type clamping fittings are U-bolts used to secure pipes to connectors or directly to U-shaped steel



Model	Bolt Diameter "M"	Pipe Diameter "D" (in)	Dimensions "H" (mm)	Dimensions "B" (mm)	Thread Length "L" (mm)
GS-GD-MP-UB-25	M8	1	113	43	85
GS-GD-MP-UB-32	M8	1-1/4	123	51	90
GS-GD-MP-UB-40	M10	1-1/2	130	60	90
GS-GD-MP-UB-50	M10	2	145	71	100
GS-GD-MP-UB-65	M10	2-1/2	160	88	100
GS-GD-MP-UB-80	M10	3	175	102	110
GS-GD-MP-UB-100	M12	4	202	128	110
GS-GD-MP-UB-125	M12	5	232	158	120
GS-GD-MP-UB-150	M12	6	257	182	120
GS-GD-MP-UB-200	M12	8	307	234	140
GS-GD-MP-UB-250	M12	10	362	289	140

• UC-Type Clamping Piece

- UC type clamps are used to secure pipes to connectors or directly to U-shaped steel

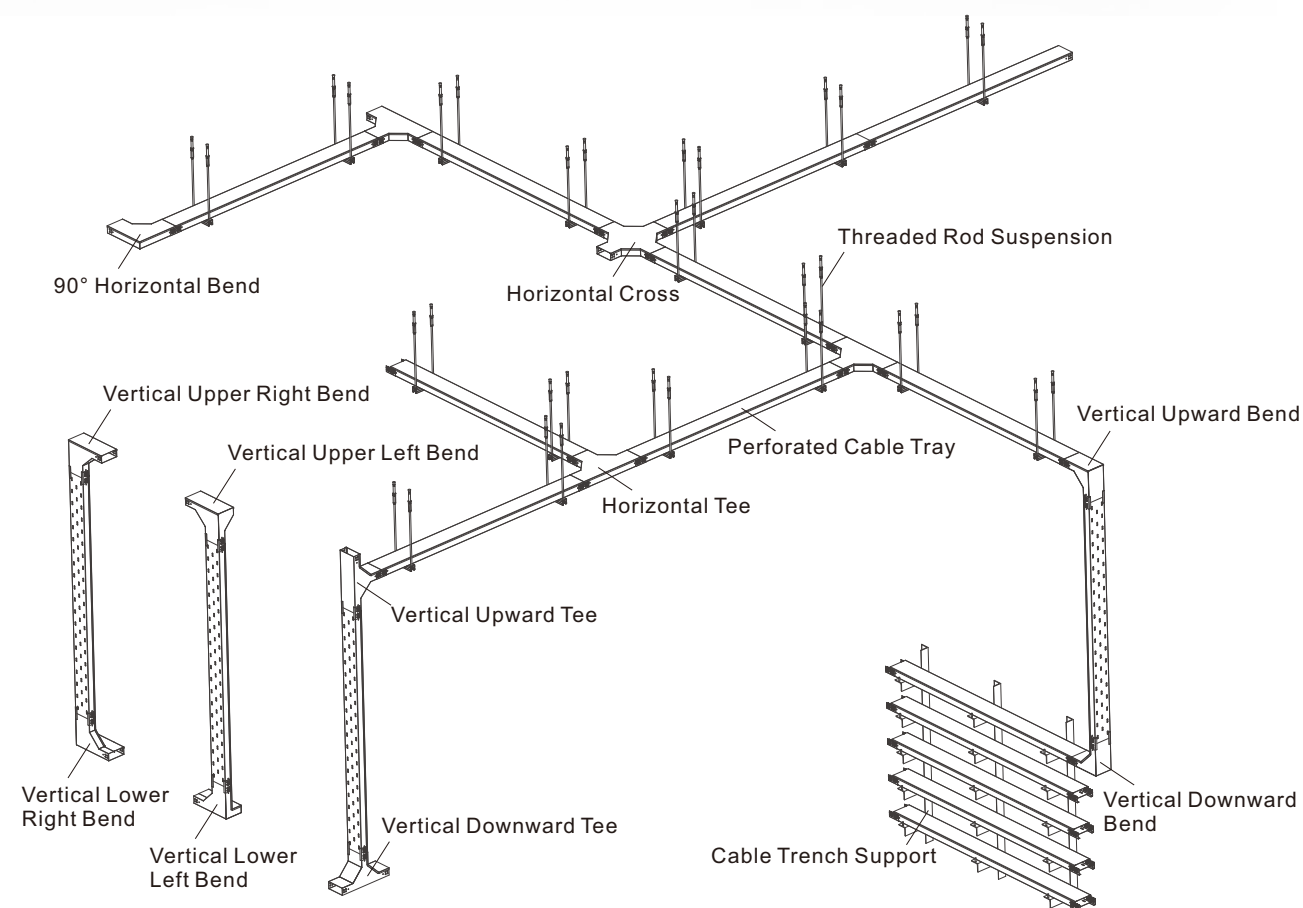
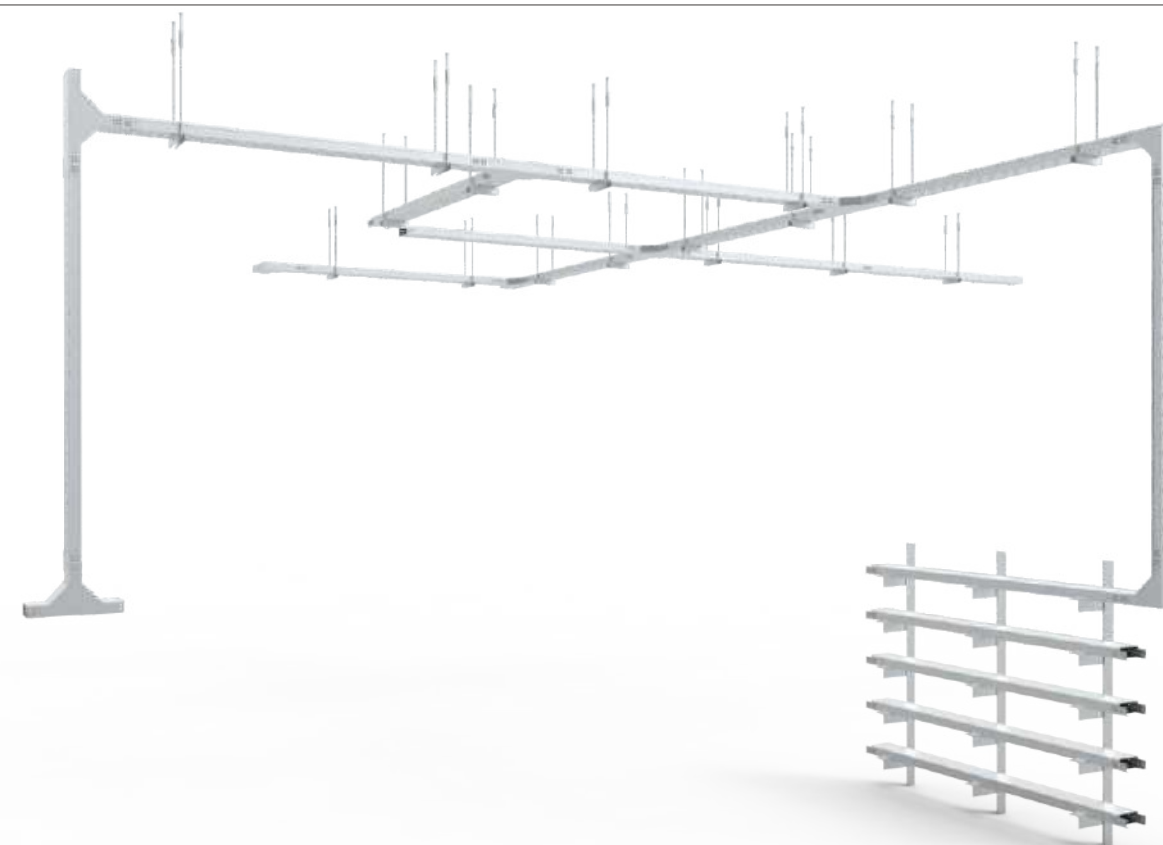


Model	Diameter "D" (mm)	Height "H" (mm)	Length "B" (mm)	Hole Spacing "A" (mm)	Width "b" (mm)	Thickness "s" (mm)
GS-GD-MP-UC-25	36	32	145	96	45	2
GS-GD-MP-UC-32	45	40	152	106	45	2
GS-GD-MP-UC-40	51	46	160	112	45	2
GS-GD-MP-UC-50	64	58	172	124	45	3
GS-GD-MP-UC-65	79	71	188	140	45	3
GS-GD-MP-UC-80	92	87	200	152	45	3
GS-GD-MP-UC-100	117	112	244	188	45	3
GS-GD-MP-UC-125	142	138	262	214	45	4
GS-GD-MP-UC-150	173	166	290	248	45	4
GS-GD-MP-UC-200	224	217	350	314	45	4
GS-GD-MP-UC-250	277	271	444	380	45	4

Cable Tray Support System

Mounting System Solution

The cable tray support system is a complete set of devices used for cable laying, support, and protection in building electrical and intelligent engineering. It features neat cabling, good heat dissipation, convenient maintenance, and fire and dust protection. It is suitable for power cables, control cables, and various weak current lines, and is widely used in building electromechanics, underground pipe galleries, factory buildings, and computer rooms. When combined with comprehensive support and hanger systems, it enables unified pipeline planning, ensuring safe and stable power supply and signal transmission.



● Perforated Cable Tray 50x25



Model	Name	Specification	Material
GS-GQJ-P-01A-50x25-2000-Q01	50x25 Perforated Cable Tray 2000	50*25*2000mm	Cold Rolled Steel
GS-GQJ-P-01A-50x25-3000-Q01	50x25 Perforated Cable Tray 3000	50*25*3000mm	Cold Rolled Steel
GS-GQJ-P-01A-50x25-4000-Q01	50x25 Perforated Cable Tray 4000	50*25*4000mm	Cold Rolled Steel

● Perforated Cable Tray 50x50



Model	Name	Specification	Material
GS-GQJ-P-01A-50x50-2000-Q01	50x50 Perforated Cable Tray 2000	50*50*2000mm	Cold Rolled Steel
GS-GQJ-P-01A-50x50-3000-Q01	50x50 Perforated Cable Tray 3000	50*50*3000mm	Cold Rolled Steel
GS-GQJ-P-01A-50x50-4000-Q01	50x50 Perforated Cable Tray 4000	50*50*4000mm	Cold Rolled Steel

● Perforated Cable Tray 100x50



Model	Name	Specification	Material
GS-GQJ-P-01A-100x50-2000-Q01	100x50 Perforated Cable Tray 2000	100*50*2000mm	Cold Rolled Steel
GS-GQJ-P-01A-100x50-3000-Q01	100x50 Perforated Cable Tray 3000	100*50*3000mm	Cold Rolled Steel
GS-GQJ-P-01A-100x50-4000-Q01	100x50 Perforated Cable Tray 4000	100*50*4000mm	Cold Rolled Steel
GS-GQJ-P-01A-100x50-6000-Q01	100x50 Perforated Cable Tray 6000	100*50*6000mm	Cold Rolled Steel

● Perforated Cable Tray 100x100



Model	Name	Specification	Material
GS-GQJ-P-01A-100x100-2000-Q01	100x100 Perforated Cable Tray 2000	100*100*2000mm	Cold Rolled Steel
GS-GQJ-P-01A-100x100-3000-Q01	100x100 Perforated Cable Tray 3000	100*100*3000mm	Cold Rolled Steel
GS-GQJ-P-01A-100x100-4000-Q01	100x100 Perforated Cable Tray 4000	100*100*4000mm	Cold Rolled Steel
GS-GQJ-P-01A-100x100-6000-Q01	100x100 Perforated Cable Tray 6000	100*100*6000mm	Cold Rolled Steel

● Perforated Cable Tray 150x50



Model	Name	Specification	Material
GS-GQJ-P-01A-150x50-2000-Q01	150x50 Perforated Cable Tray 2000	150*50*2000mm	Cold Rolled Steel
GS-GQJ-P-01A-150x50-3000-Q01	150x50 Perforated Cable Tray 3000	150*50*3000mm	Cold Rolled Steel
GS-GQJ-P-01A-150x50-4000-Q01	150x50 Perforated Cable Tray 4000	150*50*4000mm	Cold Rolled Steel
GS-GQJ-P-01A-150x50-6000-Q01	150x50 Perforated Cable Tray 6000	150*50*6000mm	Cold Rolled Steel

● Perforated Cable Tray 150x100



Model	Name	Specification	Material
GS-GQJ-P-01A-150x100-2000-Q01	150x100 Perforated Cable Tray 2000	150*100*2000mm	Cold Rolled Steel
GS-GQJ-P-01A-150x100-3000-Q01	150x100 Perforated Cable Tray 3000	150*100*3000mm	Cold Rolled Steel
GS-GQJ-P-01A-150x100-4000-Q01	150x100 Perforated Cable Tray 4000	150*100*4000mm	Cold Rolled Steel
GS-GQJ-P-01A-150x100-6000-Q01	150x100 Perforated Cable Tray 6000	150*100*6000mm	Cold Rolled Steel

● Perforated Cable Tray 200x50



Model	Name	Specification	Material
GS-GQJ-P-01A-200x50-2000-Q01	200x50 Perforated Cable Tray 2000	200*50*2000mm	Cold Rolled Steel
GS-GQJ-P-01A-200x50-3000-Q01	200x50 Perforated Cable Tray 3000	200*50*3000mm	Cold Rolled Steel
GS-GQJ-P-01A-200x50-4000-Q01	200x50 Perforated Cable Tray 4000	200*50*4000mm	Cold Rolled Steel
GS-GQJ-P-01A-200x50-6000-Q01	200x50 Perforated Cable Tray 6000	200*50*6000mm	Cold Rolled Steel

● Perforated Cable Tray 200x100



Model	Name	Specification	Material
GS-GQJ-P-01A-200x100-2000-Q01	200x100 Perforated Cable Tray 2000	200*100*2000mm	Cold Rolled Steel
GS-GQJ-P-01A-200x100-3000-Q01	200x100 Perforated Cable Tray 3000	200*100*3000mm	Cold Rolled Steel
GS-GQJ-P-01A-200x100-4000-Q01	200x100 Perforated Cable Tray 4000	200*100*4000mm	Cold Rolled Steel
GS-GQJ-P-01A-200x100-6000-Q01	200x100 Perforated Cable Tray 6000	200*100*6000mm	Cold Rolled Steel

● Perforated Cable Tray 200x150



Model	Name	Specification	Material
GS-GQJ-P-01A-200x150-2000-Q01	200x150 Perforated Cable Tray 2000	200*150*2000mm	Cold Rolled Steel
GS-GQJ-P-01A-200x150-3000-Q01	200x150 Perforated Cable Tray 3000	200*150*3000mm	Cold Rolled Steel
GS-GQJ-P-01A-200x150-4000-Q01	200x150 Perforated Cable Tray 4000	200*150*4000mm	Cold Rolled Steel
GS-GQJ-P-01A-200x150-6000-Q01	200x150 Perforated Cable Tray 6000	200*150*6000mm	Cold Rolled Steel

● Perforated Cable Tray 250x50



Model	Name	Specification	Material
GS-GQJ-P-01A-250x50-2000-Q01	250x50 Perforated Cable Tray 2000	250*50*2000mm	Cold Rolled Steel
GS-GQJ-P-01A-250x50-3000-Q01	250x50 Perforated Cable Tray 3000	250*50*3000mm	Cold Rolled Steel
GS-GQJ-P-01A-250x50-4000-Q01	250x50 Perforated Cable Tray 4000	250*50*4000mm	Cold Rolled Steel
GS-GQJ-P-01A-250x50-6000-Q01	250x50 Perforated Cable Tray 6000	250*50*6000mm	Cold Rolled Steel

● Perforated Cable Tray 250x100



Model	Name	Specification	Material
GS-GQJ-P-01A-250x100-2000-Q01	250x100 Perforated Cable Tray 2000	250*100*2000mm	Cold Rolled Steel
GS-GQJ-P-01A-250x100-3000-Q01	250x100 Perforated Cable Tray 3000	250*100*3000mm	Cold Rolled Steel
GS-GQJ-P-01A-250x100-4000-Q01	250x100 Perforated Cable Tray 4000	250*100*4000mm	Cold Rolled Steel
GS-GQJ-P-01A-250x100-6000-Q01	250x100 Perforated Cable Tray 6000	250*100*6000mm	Cold Rolled Steel

● Cable Trench Support



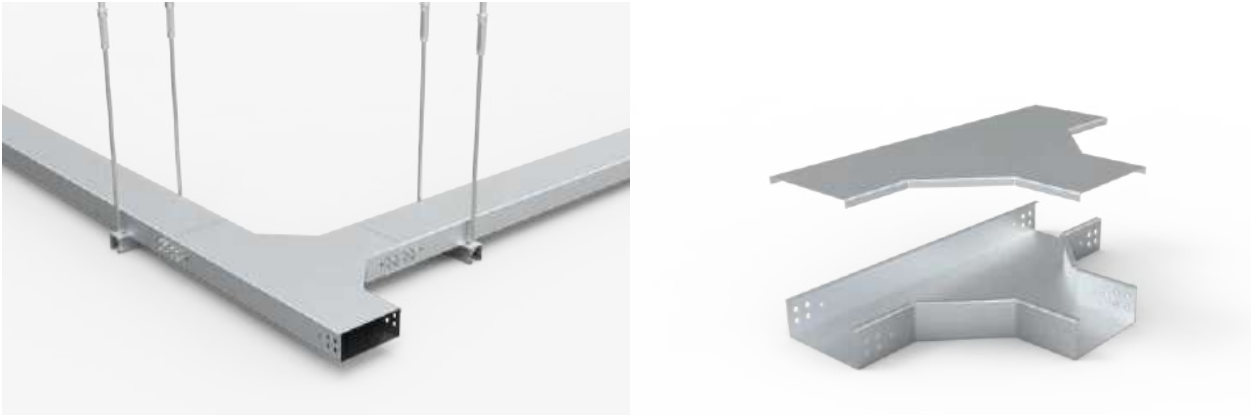
Model	Name	Specification	Material
GS-LZJ-L70-265x1600-Q01	Support for 150mm Wide Cable Tray, 1600mm Height	265*1600mm	Q235
GS-LZJ-L70-315x1600-Q01	Support for 200mm Wide Cable Tray, 1600mm Height	315*1600mm	Q235
GS-LZJ-L70-365x1600-Q01	Support for 250mm Wide Cable Tray, 1600mm Height	365*1600mm	Q235
GS-LZJ-L70-415x1600-Q01	Support for 300mm Wide Cable Tray, 1600mm Height	415*1600mm	Q235
GS-LZJ-L70-465x1600-Q01	Support for 350mm Wide Cable Tray, 1600mm Height	465*1600mm	Q235
GS-LZJ-L70-515x1600-Q01	Support for 400mm Wide Cable Tray, 1600mm Height	515*1600mm	Q235

● 90° Horizontal Bend



Model	Name	Specification	Material
GS-GQJ-C-02A-50x25-Q01	50x25-90° Horizontal Bend	50*25mm	Cold Rolled Steel
GS-GQJ-C-02A-50x50-Q01	50x50-90° Horizontal Bend	50*50mm	Cold Rolled Steel
GS-GQJ-C-02A-100x50-Q01	100x50-90° Horizontal Bend	100*50mm	Cold Rolled Steel
GS-GQJ-C-02A-100x100-Q01	100x100-90° Horizontal Bend	100*100mm	Cold Rolled Steel
GS-GQJ-C-02A-150x50-Q01	150x50-90° Horizontal Bend	150*50mm	Cold Rolled Steel
GS-GQJ-C-02A-150x100-Q01	150x100-90° Horizontal Bend	150*100mm	Cold Rolled Steel
GS-GQJ-C-02A-200x50-Q01	200x50-90° Horizontal Bend	200*50mm	Cold Rolled Steel
GS-GQJ-C-02A-200x100-Q01	200x100-90° Horizontal Bend	200*100mm	Cold Rolled Steel
GS-GQJ-C-02A-200x150-Q01	200x150-90° Horizontal Bend	200*150mm	Cold Rolled Steel
GS-GQJ-C-02A-250x50-Q01	250x50-90° Horizontal Bend	250*50mm	Cold Rolled Steel
GS-GQJ-C-02A-250x100-Q01	250x100-90° Horizontal Bend	250*100mm	Cold Rolled Steel
GS-GQJ-C-02A-250x150-Q01	250x150-90° Horizontal Bend	250*150mm	Cold Rolled Steel
GS-GQJ-C-02A-300x50-Q01	300x50-90° Horizontal Bend	300*50mm	Cold Rolled Steel
GS-GQJ-C-02A-300x100-Q01	300x100-90° Horizontal Bend	300*100mm	Cold Rolled Steel
GS-GQJ-C-02A-300x150-Q01	300x150-90° Horizontal Bend	300*150mm	Cold Rolled Steel
GS-GQJ-C-02A-300x200-Q01	300x200-90° Horizontal Bend	300*200mm	Cold Rolled Steel
GS-GQJ-C-02A-400x50-Q01	400x50-90° Horizontal Bend	400*50mm	Cold Rolled Steel
GS-GQJ-C-02A-400x100-Q01	400x100-90° Horizontal Bend	400*100mm	Cold Rolled Steel
GS-GQJ-C-02A-400x150-Q01	400x150-90° Horizontal Bend	400*150mm	Cold Rolled Steel
GS-GQJ-C-02A-400x200-Q01	400x200-90° Horizontal Bend	400*200mm	Cold Rolled Steel

● Horizontal Tee



Model	Name	Specification	Material
GS-GQJ-C-03A-50x25-Q01	50x25-Horizontal Tee	50*25mm	Cold Rolled Steel
GS-GQJ-C-03A-50x50-Q01	50x50-Horizontal Tee	50*50mm	Cold Rolled Steel
GS-GQJ-C-03A-100x50-Q01	100x50-Horizontal Tee	100*50mm	Cold Rolled Steel
GS-GQJ-C-03A-100x100-Q01	100x100-Horizontal Tee	100*100mm	Cold Rolled Steel
GS-GQJ-C-03A-150x50-Q01	150x50-Horizontal Tee	150*50mm	Cold Rolled Steel
GS-GQJ-C-03A-150x100-Q01	150x100-Horizontal Tee	150*100mm	Cold Rolled Steel
GS-GQJ-C-03A-200x50-Q01	200x50-Horizontal Tee	200*50mm	Cold Rolled Steel
GS-GQJ-C-03A-200x100-Q01	200x100-Horizontal Tee	200*100mm	Cold Rolled Steel
GS-GQJ-C-03A-200x150-Q01	200x150-Horizontal Tee	200*150mm	Cold Rolled Steel
GS-GQJ-C-03A-250x50-Q01	250x50-Horizontal Tee	250*50mm	Cold Rolled Steel
GS-GQJ-C-03A-250x100-Q01	250x100-Horizontal Tee	250*100mm	Cold Rolled Steel
GS-GQJ-C-03A-250x150-Q01	250x150-Horizontal Tee	250*150mm	Cold Rolled Steel
GS-GQJ-C-03A-300x50-Q01	300x50-Horizontal Tee	300*50mm	Cold Rolled Steel
GS-GQJ-C-03A-300x100-Q01	300x100-Horizontal Tee	300*100mm	Cold Rolled Steel
GS-GQJ-C-03A-300x150-Q01	300x150-Horizontal Tee	300*150mm	Cold Rolled Steel
GS-GQJ-C-03A-300x200-Q01	300x200-Horizontal Tee	300*200mm	Cold Rolled Steel
GS-GQJ-C-03A-400x50-Q01	400x50-Horizontal Tee	400*50mm	Cold Rolled Steel
GS-GQJ-C-03A-400x100-Q01	400x100-Horizontal Tee	400*100mm	Cold Rolled Steel
GS-GQJ-C-03A-400x150-Q01	400x150-Horizontal Tee	400*150mm	Cold Rolled Steel
GS-GQJ-C-03A-400x200-Q01	400x200-Horizontal Tee	400*200mm	Cold Rolled Steel

● Horizontal Cross



Model	Name	Specification	Material
GS-GQJ-C-04A-50x25-Q01	50x25-Horizontal Cross	50*25mm	Cold Rolled Steel
GS-GQJ-C-04A-50x50-Q01	50x50-Horizontal Cross	50*50mm	Cold Rolled Steel
GS-GQJ-C-04A-100x50-Q01	100x50-Horizontal Cross	100*50mm	Cold Rolled Steel
GS-GQJ-C-04A-100x100-Q01	100x100-Horizontal Cross	100*100mm	Cold Rolled Steel
GS-GQJ-C-04A-150x50-Q01	150x50-Horizontal Cross	150*50mm	Cold Rolled Steel
GS-GQJ-C-04A-150x100-Q01	150x100-Horizontal Cross	150*100mm	Cold Rolled Steel
GS-GQJ-C-04A-200x50-Q01	200x50-Horizontal Cross	200*50mm	Cold Rolled Steel
GS-GQJ-C-04A-200x100-Q01	200x100-Horizontal Cross	200*100mm	Cold Rolled Steel
GS-GQJ-C-04A-200x150-Q01	200x150-Horizontal Cross	200*150mm	Cold Rolled Steel
GS-GQJ-C-04A-250x50-Q01	250x50-Horizontal Cross	250*50mm	Cold Rolled Steel
GS-GQJ-C-04A-250x100-Q01	250x100-Horizontal Cross	250*100mm	Cold Rolled Steel
GS-GQJ-C-04A-250x150-Q01	250x150-Horizontal Cross	250*150mm	Cold Rolled Steel
GS-GQJ-C-04A-300x50-Q01	300x50-Horizontal Cross	300*50mm	Cold Rolled Steel
GS-GQJ-C-04A-300x100-Q01	300x100-Horizontal Cross	300*100mm	Cold Rolled Steel
GS-GQJ-C-04A-300x150-Q01	300x150-Horizontal Cross	300*150mm	Cold Rolled Steel
GS-GQJ-C-04A-300x200-Q01	300x200-Horizontal Cross	300*200mm	Cold Rolled Steel
GS-GQJ-C-04A-400x50-Q01	400x50-Horizontal Cross	400*50mm	Cold Rolled Steel
GS-GQJ-C-04A-400x100-Q01	400x100-Horizontal Cross	400*100mm	Cold Rolled Steel
GS-GQJ-C-04A-400x150-Q01	400x150-Horizontal Cross	400*150mm	Cold Rolled Steel
GS-GQJ-C-04A-400x200-Q01	400x200-Horizontal Cross	400*200mm	Cold Rolled Steel

● Vertical Upward Bend



Model	Name	Specification	Material
GS-GQJ-C-05A-50x25-Q01	50x25-Vertical Upward Bend	50*25mm	Cold Rolled Steel
GS-GQJ-C-05A-50x50-Q01	50x50-Vertical Upward Bend	50*50mm	Cold Rolled Steel
GS-GQJ-C-05A-100x50-Q01	100x50-Vertical Upward Bend	100*50mm	Cold Rolled Steel
GS-GQJ-C-05A-100x100-Q01	100x100-Vertical Upward Bend	100*100mm	Cold Rolled Steel
GS-GQJ-C-05A-150x50-Q01	150x50-Vertical Upward Bend	150*50mm	Cold Rolled Steel
GS-GQJ-C-05A-150x100-Q01	150x100-Vertical Upward Bend	150*100mm	Cold Rolled Steel
GS-GQJ-C-05A-200x50-Q01	200x50-Vertical Upward Bend	200*50mm	Cold Rolled Steel
GS-GQJ-C-05A-200x100-Q01	200x100-Vertical Upward Bend	200*100mm	Cold Rolled Steel
GS-GQJ-C-05A-200x150-Q01	200x150-Vertical Upward Bend	200*150mm	Cold Rolled Steel
GS-GQJ-C-05A-250x50-Q01	250x50-Vertical Upward Bend	250*50mm	Cold Rolled Steel
GS-GQJ-C-05A-250x100-Q01	250x100-Vertical Upward Bend	250*100mm	Cold Rolled Steel
GS-GQJ-C-05A-250x150-Q01	250x150-Vertical Upward Bend	250*150mm	Cold Rolled Steel
GS-GQJ-C-05A-300x50-Q01	300x50-Vertical Upward Bend	300*50mm	Cold Rolled Steel
GS-GQJ-C-05A-300x100-Q01	300x100-Vertical Upward Bend	300*100mm	Cold Rolled Steel
GS-GQJ-C-05A-300x150-Q01	300x150-Vertical Upward Bend	300*150mm	Cold Rolled Steel
GS-GQJ-C-05A-300x200-Q01	300x200-Vertical Upward Bend	300*200mm	Cold Rolled Steel
GS-GQJ-C-05A-400x50-Q01	400x50-Vertical Upward Bend	400*50mm	Cold Rolled Steel
GS-GQJ-C-05A-400x100-Q01	400x100-Vertical Upward Bend	400*100mm	Cold Rolled Steel
GS-GQJ-C-05A-400x150-Q01	400x150-Vertical Upward Bend	400*150mm	Cold Rolled Steel
GS-GQJ-C-05A-400x200-Q01	400x200-Vertical Upward Bend	400*200mm	Cold Rolled Steel

● Vertical Downward Bend



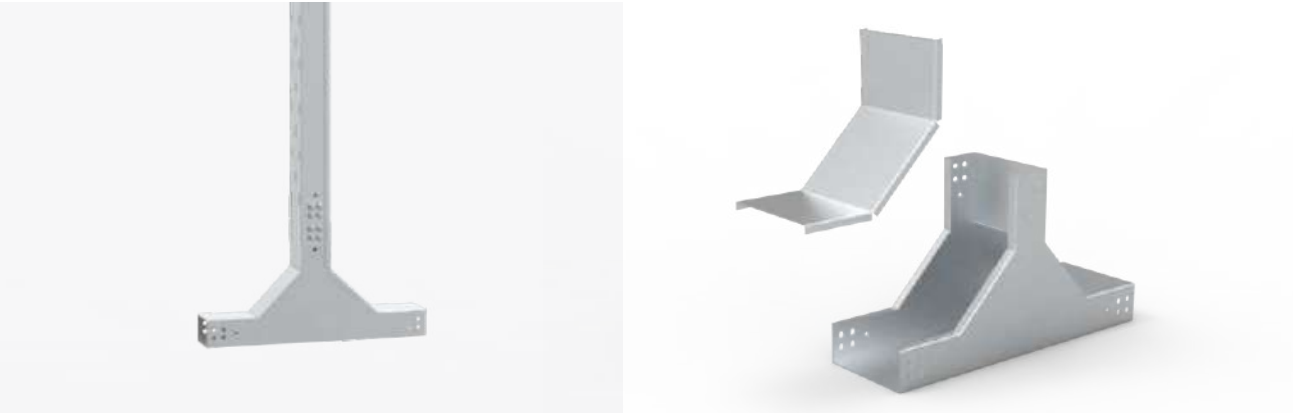
Model	Name	Specification	Material
GS-GQJ-C-05B-50x25-Q01	50x25-Vertical Downward Bend	50*25mm	Cold Rolled Steel
GS-GQJ-C-05B-50x50-Q01	50x50-Vertical Downward Bend	50*50mm	Cold Rolled Steel
GS-GQJ-C-05B-100x50-Q01	100x50-Vertical Downward Bend	100*50mm	Cold Rolled Steel
GS-GQJ-C-05B-100x100-Q01	100x100-Vertical Downward Bend	100*100mm	Cold Rolled Steel
GS-GQJ-C-05B-150x50-Q01	150x50-Vertical Downward Bend	150*50mm	Cold Rolled Steel
GS-GQJ-C-05B-150x100-Q01	150x100-Vertical Downward Bend	150*100mm	Cold Rolled Steel
GS-GQJ-C-05B-200x50-Q01	200x50-Vertical Downward Bend	200*50mm	Cold Rolled Steel
GS-GQJ-C-05B-200x100-Q01	200x100-Vertical Downward Bend	200*100mm	Cold Rolled Steel
GS-GQJ-C-05B-200x150-Q01	200x150-Vertical Downward Bend	200*150mm	Cold Rolled Steel
GS-GQJ-C-05B-250x50-Q01	250x50-Vertical Downward Bend	250*50mm	Cold Rolled Steel
GS-GQJ-C-05B-250x100-Q01	250x100-Vertical Downward Bend	250*100mm	Cold Rolled Steel
GS-GQJ-C-05B-250x150-Q01	250x150-Vertical Downward Bend	250*150mm	Cold Rolled Steel
GS-GQJ-C-05B-300x50-Q01	300x50-Vertical Downward Bend	300*50mm	Cold Rolled Steel
GS-GQJ-C-05B-300x100-Q01	300x100-Vertical Downward Bend	300*100mm	Cold Rolled Steel
GS-GQJ-C-05B-300x150-Q01	300x150-Vertical Downward Bend	300*150mm	Cold Rolled Steel
GS-GQJ-C-05B-300x200-Q01	300x200-Vertical Downward Bend	300*200mm	Cold Rolled Steel
GS-GQJ-C-05B-400x50-Q01	400x50-Vertical Downward Bend	400*50mm	Cold Rolled Steel
GS-GQJ-C-05B-400x100-Q01	400x100-Vertical Downward Bend	400*100mm	Cold Rolled Steel
GS-GQJ-C-05B-400x150-Q01	400x150-Vertical Downward Bend	400*150mm	Cold Rolled Steel
GS-GQJ-C-05B-400x200-Q01	400x200-Vertical Downward Bend	400*200mm	Cold Rolled Steel

● Vertical Upward Tee



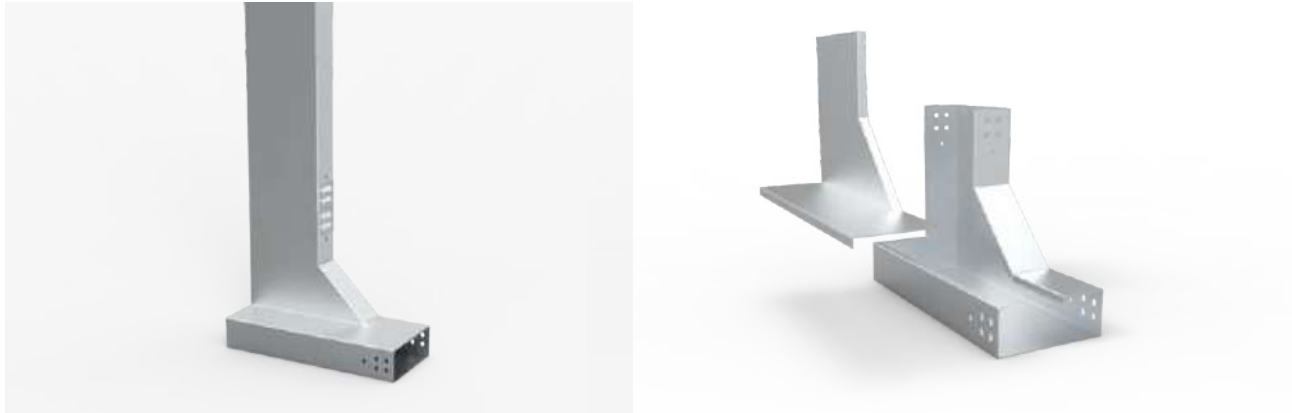
Model	Name	Specification	Material
GS-GQJ-C-03B-50x25-Q01	50x25-Vertical Upward Tee	50*25mm	Cold Rolled Steel
GS-GQJ-C-03B-50x50-Q01	50x50-Vertical Upward Tee	50*50mm	Cold Rolled Steel
GS-GQJ-C-03B-100x50-Q01	100x50-Vertical Upward Tee	100*50mm	Cold Rolled Steel
GS-GQJ-C-03B-100x100-Q01	100x100-Vertical Upward Tee	100*100mm	Cold Rolled Steel
GS-GQJ-C-03B-150x50-Q01	150x50-Vertical Upward Tee	150*50mm	Cold Rolled Steel
GS-GQJ-C-03B-150x100-Q01	150x100-Vertical Upward Tee	150*100mm	Cold Rolled Steel
GS-GQJ-C-03B-200x50-Q01	200x50-Vertical Upward Tee	200*50mm	Cold Rolled Steel
GS-GQJ-C-03B-200x100-Q01	200x100-Vertical Upward Tee	200*100mm	Cold Rolled Steel
GS-GQJ-C-03B-200x150-Q01	200x150-Vertical Upward Tee	200*150mm	Cold Rolled Steel
GS-GQJ-C-03B-250x50-Q01	250x50-Vertical Upward Tee	250*50mm	Cold Rolled Steel
GS-GQJ-C-03B-250x100-Q01	250x100-Vertical Upward Tee	250*100mm	Cold Rolled Steel
GS-GQJ-C-03B-250x150-Q01	250x150-Vertical Upward Tee	250*150mm	Cold Rolled Steel
GS-GQJ-C-03B-300x50-Q01	300x50-Vertical Upward Tee	300*50mm	Cold Rolled Steel
GS-GQJ-C-03B-300x100-Q01	300x100-Vertical Upward Tee	300*100mm	Cold Rolled Steel
GS-GQJ-C-03B-300x150-Q01	300x150-Vertical Upward Tee	300*150mm	Cold Rolled Steel
GS-GQJ-C-03B-300x200-Q01	300x200-Vertical Upward Tee	300*200mm	Cold Rolled Steel
GS-GQJ-C-03B-400x50-Q01	400x50-Vertical Upward Tee	400*50mm	Cold Rolled Steel
GS-GQJ-C-03B-400x100-Q01	400x100-Vertical Upward Tee	400*100mm	Cold Rolled Steel
GS-GQJ-C-03B-400x150-Q01	400x150-Vertical Upward Tee	400*150mm	Cold Rolled Steel
GS-GQJ-C-03B-400x200-Q01	400x200-Vertical Upward Tee	400*200mm	Cold Rolled Steel

● Vertical Downward Tee



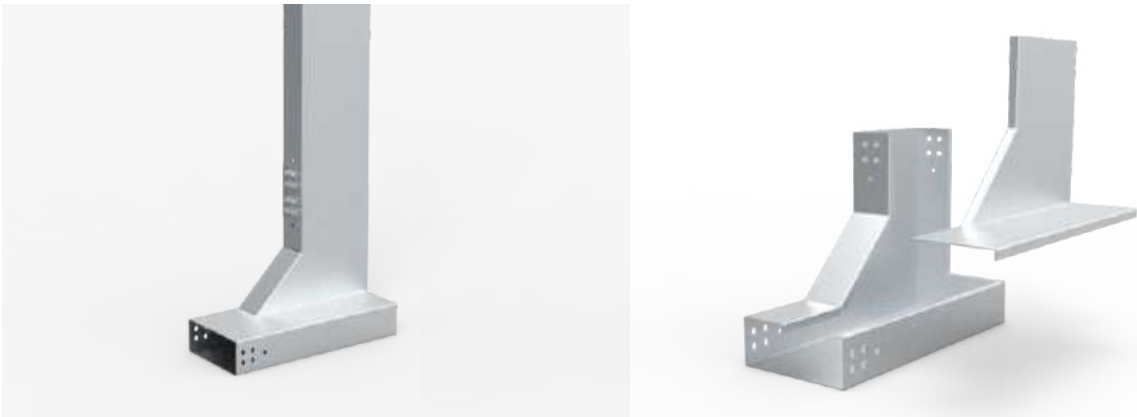
Model	Name	Specification	Material
GS-GQJ-C-03C-50x25-Q01	50x25-Vertical Downward Tee	50*25mm	Cold Rolled Steel
GS-GQJ-C-03C-50x50-Q01	50x50-Vertical Downward Tee	50*50mm	Cold Rolled Steel
GS-GQJ-C-03C-100x50-Q01	100x50-Vertical Downward Tee	100*50mm	Cold Rolled Steel
GS-GQJ-C-03C-100x100-Q01	100x100-Vertical Downward Tee	100*100mm	Cold Rolled Steel
GS-GQJ-C-03C-150x50-Q01	150x50-Vertical Downward Tee	150*50mm	Cold Rolled Steel
GS-GQJ-C-03C-150x100-Q01	150x100-Vertical Downward Tee	150*100mm	Cold Rolled Steel
GS-GQJ-C-03C-200x50-Q01	200x50-Vertical Downward Tee	200*50mm	Cold Rolled Steel
GS-GQJ-C-03C-200x100-Q01	200x100-Vertical Downward Tee	200*100mm	Cold Rolled Steel
GS-GQJ-C-03C-200x150-Q01	200x150-Vertical Downward Tee	200*150mm	Cold Rolled Steel
GS-GQJ-C-03C-250x50-Q01	250x50-Vertical Downward Tee	250*50mm	Cold Rolled Steel
GS-GQJ-C-03C-250x100-Q01	250x100-Vertical Downward Tee	250*100mm	Cold Rolled Steel
GS-GQJ-C-03C-250x150-Q01	250x150-Vertical Downward Tee	250*150mm	Cold Rolled Steel
GS-GQJ-C-03C-300x50-Q01	300x50-Vertical Downward Tee	300*50mm	Cold Rolled Steel
GS-GQJ-C-03C-300x100-Q01	300x100-Vertical Downward Tee	300*100mm	Cold Rolled Steel
GS-GQJ-C-03C-300x150-Q01	300x150-Vertical Downward Tee	300*150mm	Cold Rolled Steel
GS-GQJ-C-03C-300x200-Q01	300x200-Vertical Downward Tee	300*200mm	Cold Rolled Steel
GS-GQJ-C-03C-400x50-Q01	400x50-Vertical Downward Tee	400*50mm	Cold Rolled Steel
GS-GQJ-C-03C-400x100-Q01	400x100-Vertical Downward Tee	400*100mm	Cold Rolled Steel
GS-GQJ-C-03C-400x150-Q01	400x150-Vertical Downward Tee	400*150mm	Cold Rolled Steel
GS-GQJ-C-03C-400x200-Q01	400x200-Vertical Downward Tee	400*200mm	Cold Rolled Steel

● Vertical Lower Left Bend



Model	Name	Specification	Material
GS-GQJ-C-02D-50x25-Q01	50x25-Vertical Lower Left Bend	50*25mm	Cold Rolled Steel
GS-GQJ-C-02D-50x50-Q01	50x50-Vertical Lower Left Bend	50*50mm	Cold Rolled Steel
GS-GQJ-C-02D-100x50-Q01	100x50-Vertical Lower Left Bend	100*50mm	Cold Rolled Steel
GS-GQJ-C-02D-100x100-Q01	100x100-Vertical Lower Left Bend	100*100mm	Cold Rolled Steel
GS-GQJ-C-02D-150x50-Q01	150x50-Vertical Lower Left Bend	150*50mm	Cold Rolled Steel
GS-GQJ-C-02D-150x100-Q01	150x100-Vertical Lower Left Bend	150*100mm	Cold Rolled Steel
GS-GQJ-C-02D-200x50-Q01	200x50-Vertical Lower Left Bend	200*50mm	Cold Rolled Steel
GS-GQJ-C-02D-200x100-Q01	200x100-Vertical Lower Left Bend	200*100mm	Cold Rolled Steel
GS-GQJ-C-02D-200x150-Q01	200x150-Vertical Lower Left Bend	200*150mm	Cold Rolled Steel
GS-GQJ-C-02D-250x50-Q01	250x50-Vertical Lower Left Bend	250*50mm	Cold Rolled Steel
GS-GQJ-C-02D-250x100-Q01	250x100-Vertical Lower Left Bend	250*100mm	Cold Rolled Steel
GS-GQJ-C-02D-250x150-Q01	250x150-Vertical Lower Left Bend	250*150mm	Cold Rolled Steel
GS-GQJ-C-02D-300x50-Q01	300x50-Vertical Lower Left Bend	300*50mm	Cold Rolled Steel
GS-GQJ-C-02D-300x100-Q01	300x100-Vertical Lower Left Bend	300*100mm	Cold Rolled Steel
GS-GQJ-C-02D-300x150-Q01	300x150-Vertical Lower Left Bend	300*150mm	Cold Rolled Steel
GS-GQJ-C-02D-300x200-Q01	300x200-Vertical Lower Left Bend	300*200mm	Cold Rolled Steel
GS-GQJ-C-02D-400x50-Q01	400x50-Vertical Lower Left Bend	400*50mm	Cold Rolled Steel
GS-GQJ-C-02D-400x100-Q01	400x100-Vertical Lower Left Bend	400*100mm	Cold Rolled Steel
GS-GQJ-C-02D-400x150-Q01	400x150-Vertical Lower Left Bend	400*150mm	Cold Rolled Steel
GS-GQJ-C-02D-400x200-Q01	400x200-Vertical Lower Left Bend	400*200mm	Cold Rolled Steel

● Vertical Lower Right Bend



Model	Name	Specification	Material
GS-GQJ-C-02E-50x25-Q01	50x25-Vertical Lower Right Bend	50*25mm	Cold Rolled Steel
GS-GQJ-C-02E-50x50-Q01	50x50-Vertical Lower Right Bend	50*50mm	Cold Rolled Steel
GS-GQJ-C-02E-100x50-Q01	100x50-Vertical Lower Right Bend	100*50mm	Cold Rolled Steel
GS-GQJ-C-02E-100x100-Q01	100x100-Vertical Lower Right Bend	100*100mm	Cold Rolled Steel
GS-GQJ-C-02E-150x50-Q01	150x50-Vertical Lower Right Bend	150*50mm	Cold Rolled Steel
GS-GQJ-C-02E-150x100-Q01	150x100-Vertical Lower Right Bend	150*100mm	Cold Rolled Steel
GS-GQJ-C-02E-200x50-Q01	200x50-Vertical Lower Right Bend	200*50mm	Cold Rolled Steel
GS-GQJ-C-02E-200x100-Q01	200x100-Vertical Lower Right Bend	200*100mm	Cold Rolled Steel
GS-GQJ-C-02E-200x150-Q01	200x150-Vertical Lower Right Bend	200*150mm	Cold Rolled Steel
GS-GQJ-C-02E-250x50-Q01	250x50-Vertical Lower Right Bend	250*50mm	Cold Rolled Steel
GS-GQJ-C-02E-250x100-Q01	250x100-Vertical Lower Right Bend	250*100mm	Cold Rolled Steel
GS-GQJ-C-02E-250x150-Q01	250x150-Vertical Lower Right Bend	250*150mm	Cold Rolled Steel
GS-GQJ-C-02E-300x50-Q01	300x50-Vertical Lower Right Bend	300*50mm	Cold Rolled Steel
GS-GQJ-C-02E-300x100-Q01	300x100-Vertical Lower Right Bend	300*100mm	Cold Rolled Steel
GS-GQJ-C-02E-300x150-Q01	300x150-Vertical Lower Right Bend	300*150mm	Cold Rolled Steel
GS-GQJ-C-02E-300x200-Q01	300x200-Vertical Lower Right Bend	300*200mm	Cold Rolled Steel
GS-GQJ-C-02E-400x50-Q01	400x50-Vertical Lower Right Bend	400*50mm	Cold Rolled Steel
GS-GQJ-C-02E-400x100-Q01	400x100-Vertical Lower Right Bend	400*100mm	Cold Rolled Steel
GS-GQJ-C-02E-400x150-Q01	400x150-Vertical Lower Right Bend	400*150mm	Cold Rolled Steel
GS-GQJ-C-02E-400x200-Q01	400x200-Vertical Lower Right Bend	400*200mm	Cold Rolled Steel

● Vertical Upper Left Bend



Model	Name	Specification	Material
GS-GQJ-C-02F-50x25-Q01	50x25-Vertical Upper Left Bend	50*25mm	Cold Rolled Steel
GS-GQJ-C-02F-50x50-Q01	50x50-Vertical Upper Left Bend	50*50mm	Cold Rolled Steel
GS-GQJ-C-02F-100x50-Q01	100x50-Vertical Upper Left Bend	100*50mm	Cold Rolled Steel
GS-GQJ-C-02F-100x100-Q01	100x100-Vertical Upper Left Bend	100*100mm	Cold Rolled Steel
GS-GQJ-C-02F-150x50-Q01	150x50-Vertical Upper Left Bend	150*50mm	Cold Rolled Steel
GS-GQJ-C-02F-150x100-Q01	150x100-Vertical Upper Left Bend	150*100mm	Cold Rolled Steel
GS-GQJ-C-02F-200x50-Q01	200x50-Vertical Upper Left Bend	200*50mm	Cold Rolled Steel
GS-GQJ-C-02F-200x100-Q01	200x100-Vertical Upper Left Bend	200*100mm	Cold Rolled Steel
GS-GQJ-C-02F-200x150-Q01	200x150-Vertical Upper Left Bend	200*150mm	Cold Rolled Steel
GS-GQJ-C-02F-250x50-Q01	250x50-Vertical Upper Left Bend	250*50mm	Cold Rolled Steel
GS-GQJ-C-02F-250x100-Q01	250x100-Vertical Upper Left Bend	250*100mm	Cold Rolled Steel
GS-GQJ-C-02F-250x150-Q01	250x150-Vertical Upper Left Bend	250*150mm	Cold Rolled Steel
GS-GQJ-C-02F-300x50-Q01	300x50-Vertical Upper Left Bend	300*50mm	Cold Rolled Steel
GS-GQJ-C-02F-300x100-Q01	300x100-Vertical Upper Left Bend	300*100mm	Cold Rolled Steel
GS-GQJ-C-02F-300x150-Q01	300x150-Vertical Upper Left Bend	300*150mm	Cold Rolled Steel
GS-GQJ-C-02F-300x200-Q01	300x200-Vertical Upper Left Bend	300*200mm	Cold Rolled Steel
GS-GQJ-C-02F-400x50-Q01	400x50-Vertical Upper Left Bend	400*50mm	Cold Rolled Steel
GS-GQJ-C-02F-400x100-Q01	400x100-Vertical Upper Left Bend	400*100mm	Cold Rolled Steel
GS-GQJ-C-02F-400x150-Q01	400x150-Vertical Upper Left Bend	400*150mm	Cold Rolled Steel
GS-GQJ-C-02F-400x200-Q01	400x200-Vertical Upper Left Bend	400*200mm	Cold Rolled Steel

● Vertical Upper Right Bend



Model	Name	Specification	Material
GS-GQJ-C-02G-50x25-Q01	50x25-Vertical Upper Right Bend	50*25mm	Cold Rolled Steel
GS-GQJ-C-02G-50x50-Q01	50x50-Vertical Upper Right Bend	50*50mm	Cold Rolled Steel
GS-GQJ-C-02G-100x50-Q01	100x50-Vertical Upper Right Bend	100*50mm	Cold Rolled Steel
GS-GQJ-C-02G-100x100-Q01	100x100-Vertical Upper Right Bend	100*100mm	Cold Rolled Steel
GS-GQJ-C-02G-150x50-Q01	150x50-Vertical Upper Right Bend	150*50mm	Cold Rolled Steel
GS-GQJ-C-02G-150x100-Q01	150x100-Vertical Upper Right Bend	150*100mm	Cold Rolled Steel
GS-GQJ-C-02G-200x50-Q01	200x50-Vertical Upper Right Bend	200*50mm	Cold Rolled Steel
GS-GQJ-C-02G-200x100-Q01	200x100-Vertical Upper Right Bend	200*100mm	Cold Rolled Steel
GS-GQJ-C-02G-200x150-Q01	200x150-Vertical Upper Right Bend	200*150mm	Cold Rolled Steel
GS-GQJ-C-02G-250x50-Q01	250x50-Vertical Upper Right Bend	250*50mm	Cold Rolled Steel
GS-GQJ-C-02G-250x100-Q01	250x100-Vertical Upper Right Bend	250*100mm	Cold Rolled Steel
GS-GQJ-C-02G-250x150-Q01	250x150-Vertical Upper Right Bend	250*150mm	Cold Rolled Steel
GS-GQJ-C-02G-300x50-Q01	300x50-Vertical Upper Right Bend	300*50mm	Cold Rolled Steel
GS-GQJ-C-02G-300x100-Q01	300x100-Vertical Upper Right Bend	300*100mm	Cold Rolled Steel
GS-GQJ-C-02G-300x150-Q01	300x150-Vertical Upper Right Bend	300*150mm	Cold Rolled Steel
GS-GQJ-C-02G-300x200-Q01	300x200-Vertical Upper Right Bend	300*200mm	Cold Rolled Steel
GS-GQJ-C-02G-400x50-Q01	400x50-Vertical Upper Right Bend	400*50mm	Cold Rolled Steel
GS-GQJ-C-02G-400x100-Q01	400x100-Vertical Upper Right Bend	400*100mm	Cold Rolled Steel
GS-GQJ-C-02G-400x150-Q01	400x150-Vertical Upper Right Bend	400*150mm	Cold Rolled Steel
GS-GQJ-C-02G-400x200-Q01	400x200-Vertical Upper Right Bend	400*200mm	Cold Rolled Steel

● Threaded Rod Suspension



Model	Name	Specification	Material
GS-DGY-TB-50x25-Q01	50x25-Threaded Rod Suspension	50*25mm	Q235
GS-DGY-TB-50x50-Q01	50x50-Threaded Rod Suspension	50*50mm	Q235
GS-DGY-TB-100x50-Q01	100x50-Threaded Rod Suspension	100*50mm	Q235
GS-DGY-TB-100x100-Q01	100x100-Threaded Rod Suspension	100*100mm	Q235
GS-DGY-TB-150x50-Q01	150x50-Threaded Rod Suspension	150*50mm	Q235
GS-DGY-TB-150x100-Q01	150x100-Threaded Rod Suspension	150*100mm	Q235
GS-DGY-TB-200x50-Q01	200x50-Threaded Rod Suspension	200*50mm	Q235
GS-DGY-TB-200x100-Q01	200x100-Threaded Rod Suspension	200*100mm	Q235
GS-DGY-TB-200x150-Q01	200x150-Threaded Rod Suspension	200*150mm	Q235
GS-DGY-TB-250x50-Q01	250x50-Threaded Rod Suspension	250*50mm	Q235
GS-DGY-TB-250x100-Q01	250x100-Threaded Rod Suspension	250*100mm	Q235
GS-DGY-TB-250x150-Q01	250x150-Threaded Rod Suspension	250*150mm	Q235
GS-DGY-TB-300x50-Q01	300x50-Threaded Rod Suspension	300*50mm	Q235
GS-DGY-TB-300x100-Q01	300x100-Threaded Rod Suspension	300*100mm	Q235
GS-DGY-TB-300x150-Q01	300x150-Threaded Rod Suspension	300*150mm	Q235
GS-DGY-TB-300x200-Q01	300x200-Threaded Rod Suspension	300*200mm	Q235
GS-DGY-TB-400x50-Q01	400x50-Threaded Rod Suspension	400*50mm	Q235
GS-DGY-TB-400x100-Q01	400x100-Threaded Rod Suspension	400*100mm	Q235
GS-DGY-TB-400x150-Q01	400x150-Threaded Rod Suspension	400*150mm	Q235
GS-DGY-TB-400x200-Q01	400x200-Threaded Rod Suspension	400*200mm	Q235

SERVICE & SUPPORT



On-site investigation

Conduct on-site investigation and investigation to the project location to provide targeted technical solutions



Service response

24 hours a day to respond to and reply to customer questions



Technical solution

In-depth analysis of project requirements such as the topography of the project site, soil conditions, array layout, communication conditions, etc., and provide technical solutions that can meet technical and commercial requirements



Financial analysis

After comparing the economic benefits of different technical solutions, recommend the best design solutions to customers



On-site support

Go to the construction site to guide the construction staff to ensure the progress of the project



Various services

Provide on-site, Internet, teleconference and other forms of training for the installation, operation and maintenance of the bracket system

GS - Ground Mounting System

Japan: 480MW

GS - Ground Mounting System

Japan: 480MW



GS - Ground Mounting System

Japan: 100MW

GS - Ground Mounting System

Japan: 100MW



GS - Ground Mounting System

Japan: 98MW

GS - Ground Mounting System

Japan: 98MW



GS - Intelligent Tracking System



South Africa: 78MW



Bulgaria: 24MW

GS - Intelligent Tracking System



Italy: 26MW



Angola: 13MW

GS - Intelligent Tracking System



Italy: 5MW



Croatia: 4MW

GS - Intelligent Tracking System



Greece: 3MW



Bosnia and Herzegovina: 5MW

GS - Ground Mounting System

Asia Pacific Area



Japan: 22MW



Japan: 38MW

GS - Ground Mounting System

Asia Pacific Area



Japan: 55MW



Japan: 6MW

GS - Ground Mounting System

Asia Pacific Area



Japan: 36MW



Japan: 47MW

GS - Ground Mounting System

Asia Pacific Area



Japan: 30MW



Japan: 46MW

GS - Ground Mounting System

Asia Pacific Area



Japan: 3MW



Brunei: 10MW

GS - Ground Mounting System

Asia Pacific Area



Pakistan: 12MW



Korea: 10.4MW

GS - Ground Mounting System

Asia Pacific Area



Thailand: 11.7MW



Taiwan, China: 6MW

GS - Ground Mounting System

Asia Pacific Area



Taiwan, China: 12MW



Israel: 10MW

GS - Ground Mounting System

Middle East and Africa Area



Congo: 65MW



Niger: 22MW

GS - Ground Mounting System

Middle East and Africa Area



Afghanistan: 30MW



Iraq: 17MW

GS - Ground Mounting System

Europe and America Area



Italy: 10.2MW



Romania: 20MW

GS - Ground Mounting System

Europe and America Area



Bosnia and Herzegovina: 17MW



Mexico: 28.5MW

GS - Roof Mounting System

Industry · Commercial Roof



China



Taiwan, China



Thailand



Hong Kong, China



Singapore



Philippines

GS - Roof Mounting System

Industry · Commercial Roof



Korea



Japan



India



UAE



Kenya



Armenia

GS - Roof Mounting System

Industry · Commercial Roof



Australia



Norway



UK



Slovenia



Latin America



Mexico

GS - Roof Mounting System

Residential Roof



Poland



USA



Netherlands



Germany



Indonesia



New Zealand

GS - Roof Mounting System



Metal Roof Hook



Hook + Triangle System

GS - Roof Mounting System



Metal Roof Hook



Ballast Bracket System



Adjustable Tilt System

Triangle System

GS-Smart Carport Mounting System



GS-Smart Farm Mounting System

