LEVER

SOLAR INSTALLATION SYSTEM

Empowering Global Solar Futureswith Precision Engineering





Product Cataloge

- Ground System
- Roof System
- Carport System
- Roof Accessories



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Company Introduction

Zhejiang Lever Technology is a leading provider of photovoltaic mounting systems, integrating innovative design, smart manufacturing, and global distribution. With over 10 years of experience, we offer advanced solutions for ground systems, roof installations, carports, and balconies.

◎ Tailored R&D Solutions

We've developed 50+ patented structures customized for different markets, achieving up to 30% material savings and faster installation through parametric design and load simulations.

◎ Smart Manufacturing

Our 40,000m² facility features CNC cutting, robotic welding, and automated coating lines, producing over 200 product types with an annual capacity of 2.5GW and quick 15-day delivery.

◎ Global Standards & Quality

Certified under ISO 9001 and tested by SGS, our products meet CE, TÜV, UL2703 standards, and are built to withstand harsh environments with wind speeds up to 60m/s.

◎ Why Choose Lever

- ☑ BIM modeling for site-specific optimization
- ☑ Modular kits that reduce on-site labor by 40%
- ☑ Long-term technical support with smart monitoring

Serving clients in over 50 countries, we are committed to driving the global energy transition with reliable, cost-effective solar mounting solutions.

50+	40000 m²	200
Patents	Facility	Product Types

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GROUND
MOUNTING SYSTEM

This ground mounting system is designed for large -scale solar power plants, featuring high stability, strong adaptabilityand long service lite. It consists of four core components: tracking system, basic ground system, agri-PV system andfence system The integrated solution ensures reliable operation, flexible layout and efficient land utilization, making it ideal for various ground solar applications.





Tracking System

Atlas I

Independent Row 1P Tracker/Single Axis Tracker, Multi point Parallel Drive

Bifacial modules
Smart choice

Synchronous
multi-point drive

Control system
low power consumption

30°

High slope adaptability
⩽20% N-S slope

Easy to install

Optimized cost

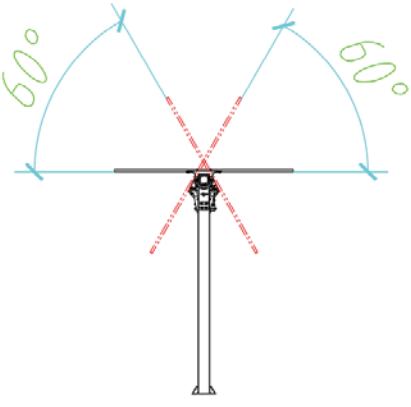


Tracker Specifications

Tracking Type	Independent horizontal single-axis tracker
Tracking Range	±60°
Drive Type	Multi-turn drive, 24VDC motor
Bracket length	Up to 120m
Foundation Options	Ramming piles/Cast-in-place concrete piles
Terrain Flexibility	⩽20% N-S slope, E-W slope has no effect
Structure Material	Hot-dip galvanized steel / Pre-galvanized steel / Zn-Al-Mg coated steel
Standard Design Wind Speed	⩽58m/s
Operation Temperature Range	-35℃ to 70℃
Special Protection Mode	Wind Stow (15°), Snow Stow (45°), Flood Stow (0°), Hail Stow (60°)

Electronic Controller Specifications

Control System	1 controller per tracker
Control Algorithm	Astronomical algorithms + Tilt sensor closed-loop control
Tracking Accuracy	⩽ 2°
Control method	MCU
Monitoring system	SCADA (Optional)
Communication Options	Wire / wireless
Protection level	IP65
Controller's Power Supply	Power supply from inverter back end (AC) power supply from inverter front end (DC) /factory power supply (AC)
Control system energy consumption	0.02KWh
Warranty	5 yr drive and control + 10 yr structure





Atlas II

Independent Row 2P Tracker/Single Axis Tracker, Multi point Parallel Drive

Bifacial modules
Smart choice

Synchronous
multi-point drive

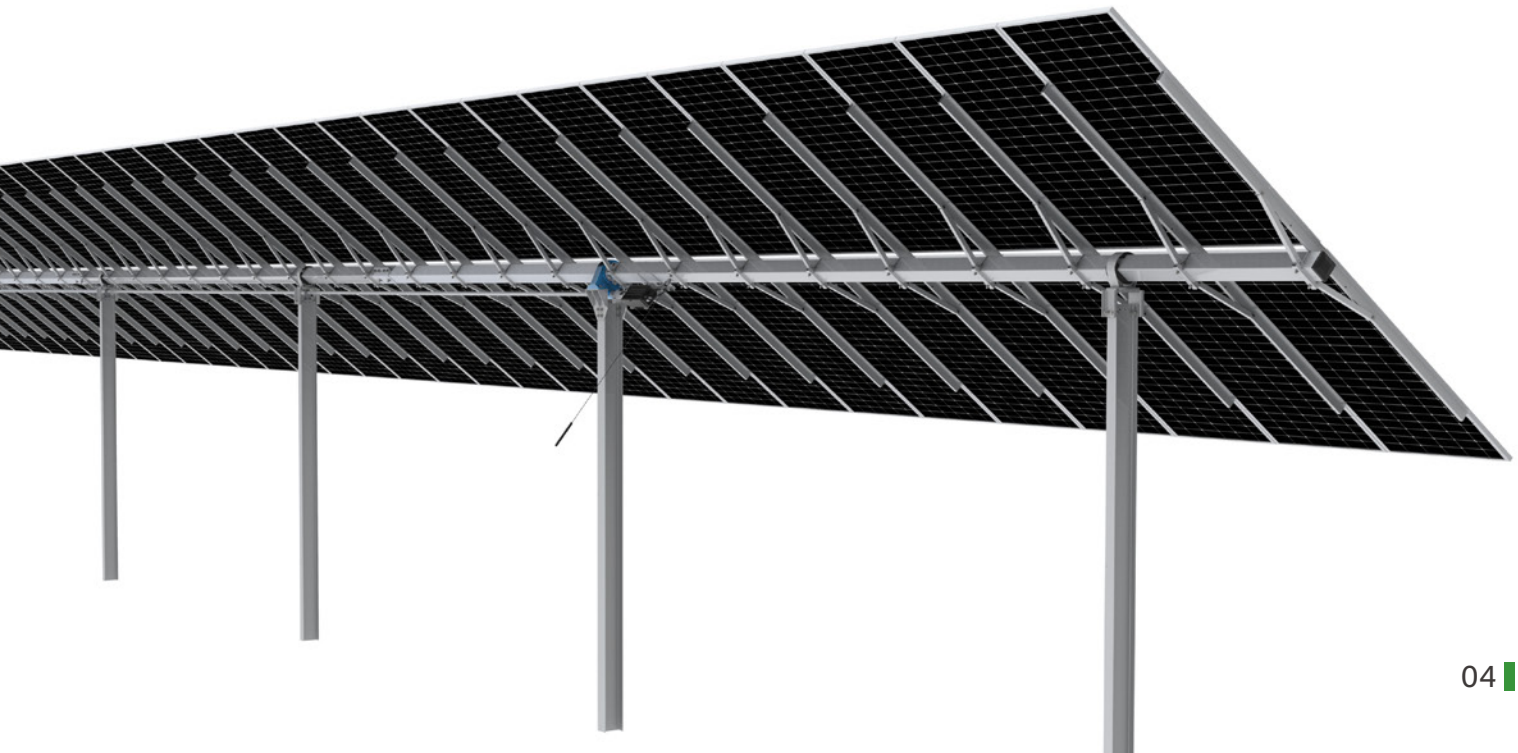
Control system
low power consumption

30°

High slope adaptability
⩽20% N-S slope

Easy to install

Optimized cost

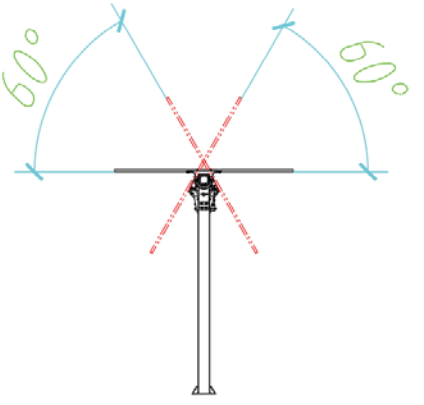


Tracker Specifications

Tracking Type	Independent horizontal single-axis tracker
Tracking Range	±60°
Drive Type	Multi-turn drive, 24VDC motor
Bracket length	Up to 80m
Foundation Options	Ramming piles/Cast-in-place concrete piles
Terrain Flexibility	⩽20% N-S slope, E-W slope has no effect
Structure Material	Hot-dip galvanized steel / Pre-galvanized steel / Zn-Al-Mg coated steel
Standard Design Wind Speed	⩽58m/s
Operation Temperature Range	-35℃ to 70℃
Special Protection Mode	Wind Stow (15°), Snow Stow (45°), Flood Stow (0°), Hail Stow (60°)

Electronic Controller Specifications

Control System	1 controller per tracker
Control Algorithm	Astronomical algorithms + Tilt sensor closed-loop control
Tracking Accuracy	⩽ 2°
Control method	MCU
Monitoring system	SCADA (Optional)
Communication Options	Wire / wireless
Protection level	IP65
Controller's Power Supply	Power supply from inverter back end (AC) power supply from inverter front end (DC) /factory power supply (AC)
Control system energy consumption	0.02KWh
Warranty	5 yr drive and control + 10 yr structure





Atlas III

Independent Row 1P Tracker/Single Axis Tracker, Single Point Parallel Drive

Bifacial modules
Smart choice

Synchronous
multi-point drive

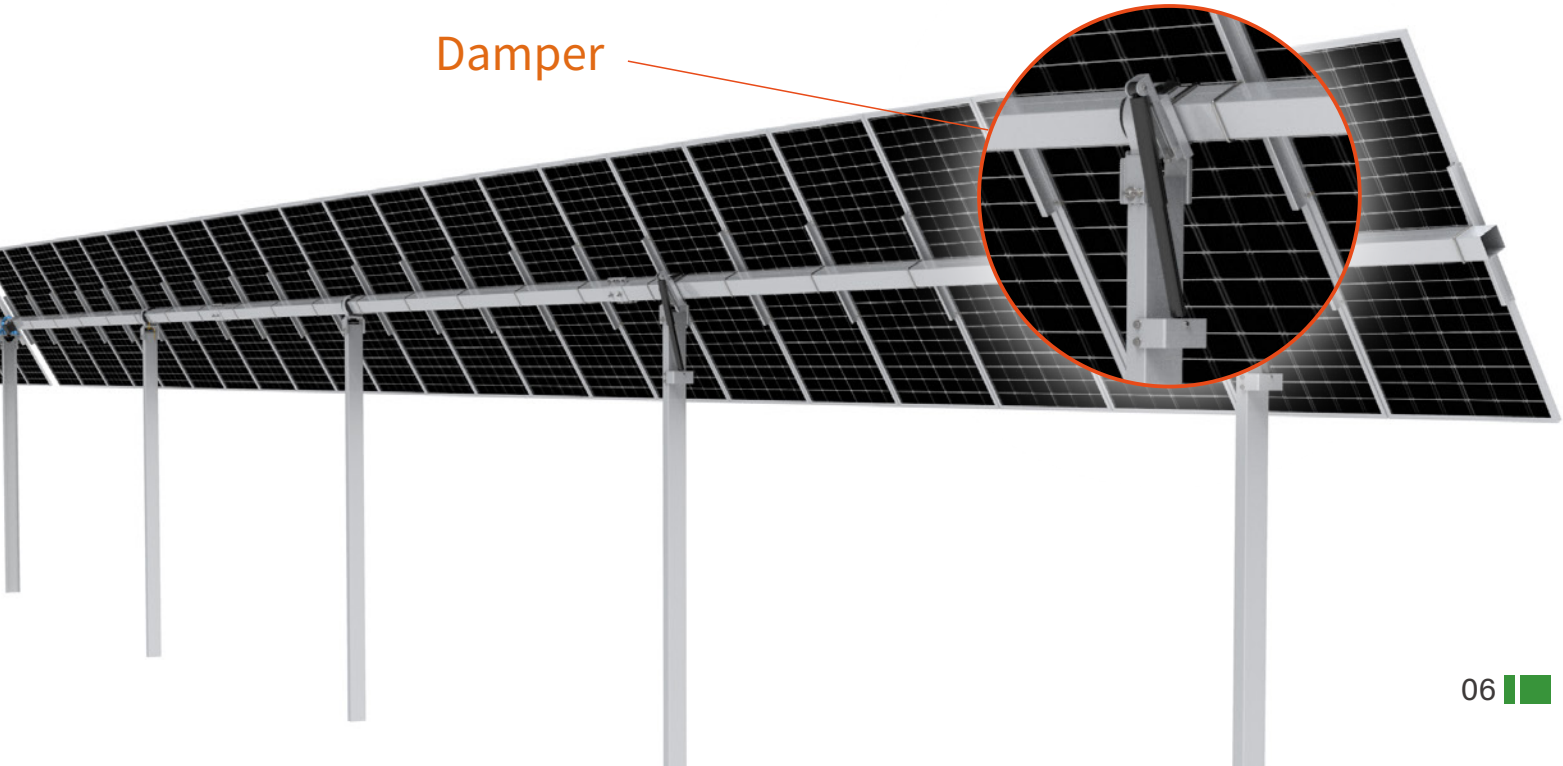
Control system
low power consumption

30°

High slope adaptability
⩽20% N-S slope

Easy to install

Optimized cost

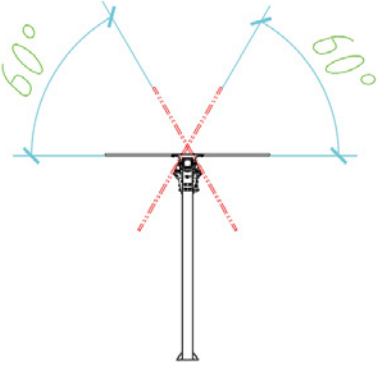


Tracker Specifications

Tracking Type	Independent horizontal single-axis tracker
Tracking Range	±60°
Drive Type	Single point drive, 24VDC motor
Bracket length	Up to 50m
Foundation Options	Ramming piles/Cast-in-place concrete piles
Terrain Flexibility	≤20% N-S slope, E-W slope has no effect
Structure Material	Hot-dip galvanized steel / Pre-galvanized steel / Zn-Al-Mg coated steel
Standard Design Wind Speed	≤28m/s(EN，10min)
Operation Temperature Range	-35℃ to 70℃
Special Protection Mode	Wind Stow (15°), Snow Stow (45°), Flood Stow (0°), Hail Stow (60°)
Protection Wind Speed	18m/s (3s gust,MRI=50) or 12m/s(EN 10min)

Electronic Controller Specifications

Control System	1 controller per tracker
Control Algorithm	Astronomical algorithms + Tilt sensor closed-loop control
Tracking Accuracy	≤ 2°
Control method	MCU
Monitoring system	SCADA (Optional)
Communication Options	Wire / wireless
Protection level	IP65
Controller's Power Supply	Power supply from inverter back end (AC) power supply from inverter front end (DC) /factory power supply (AC)
Control system energy consumption	0.02KWh
Warranty	5 yr drive and control + 10 yr structure

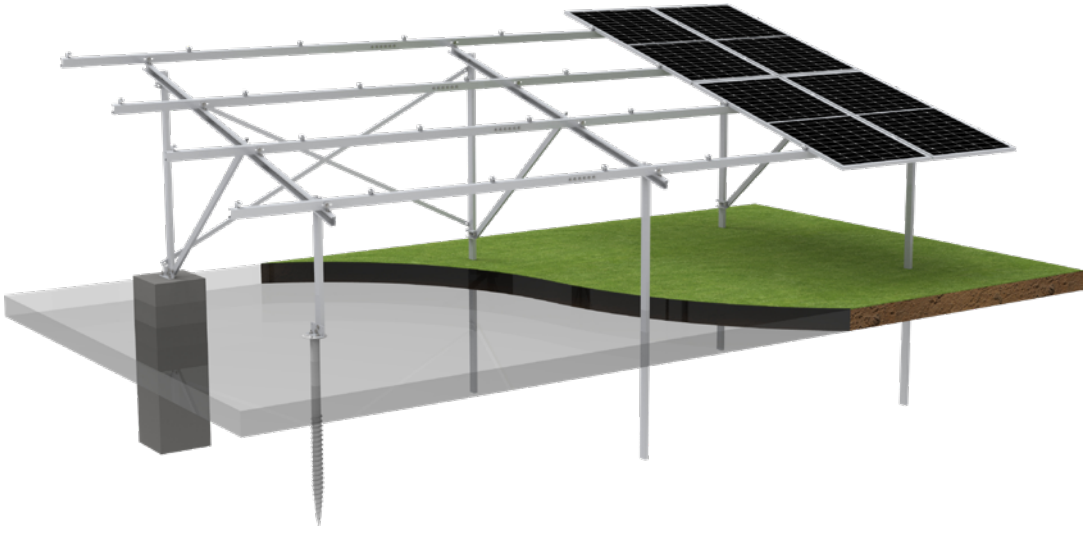


Basic Ground System

The photovoltaic ground mounting system is a professional outdoor installation solution, designed with a sturdy structural frame for reliable outdoor performance. It enables convenient assembly and is suitable for a wide range of ground PV projects.

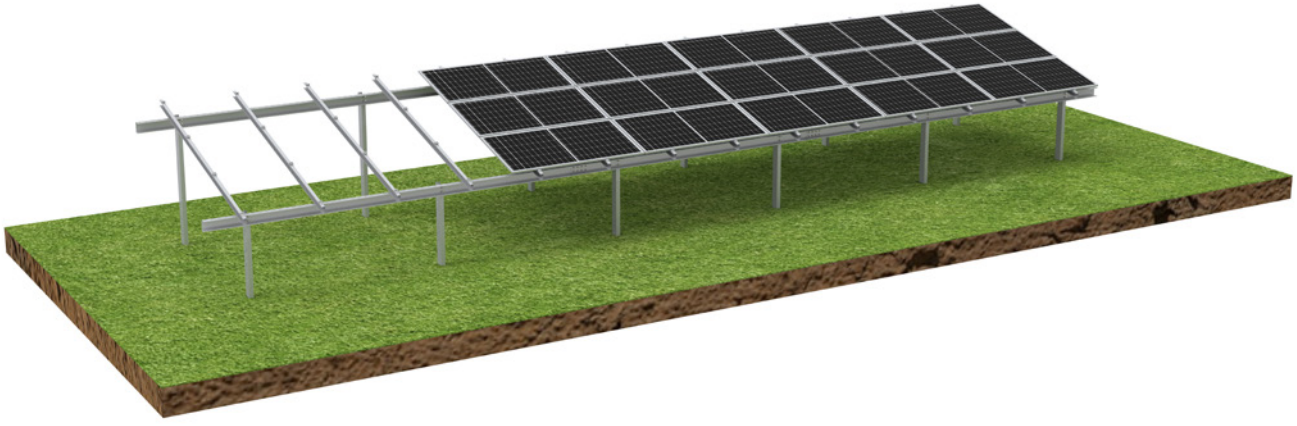


Ground Mounting System LV-G01



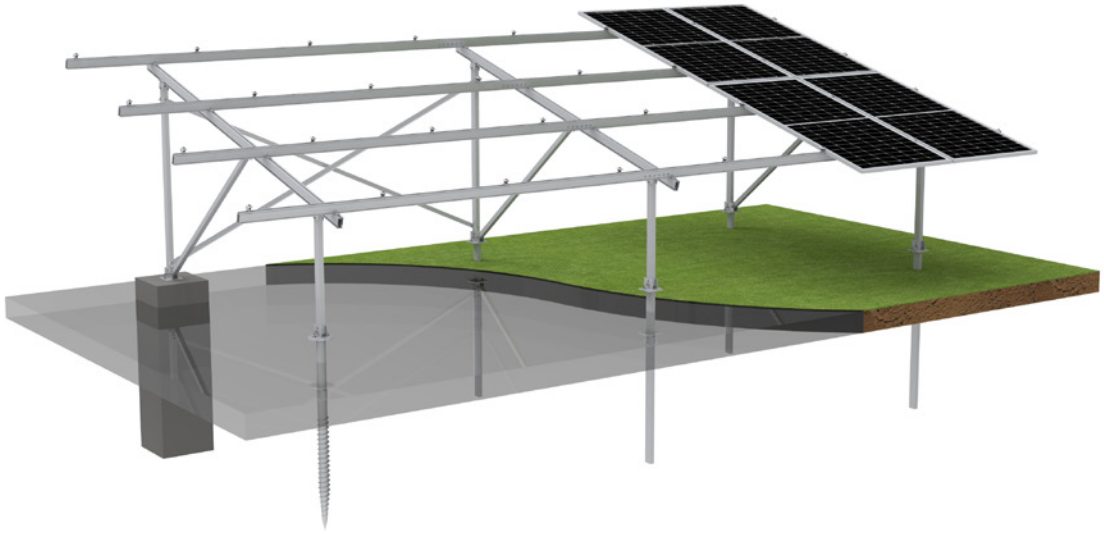
Material: S350GD+ZM	Concrete/Ground Screw/Rammed Post	Suitable for open flat terrain

Ground Mounting System LV-G01-1



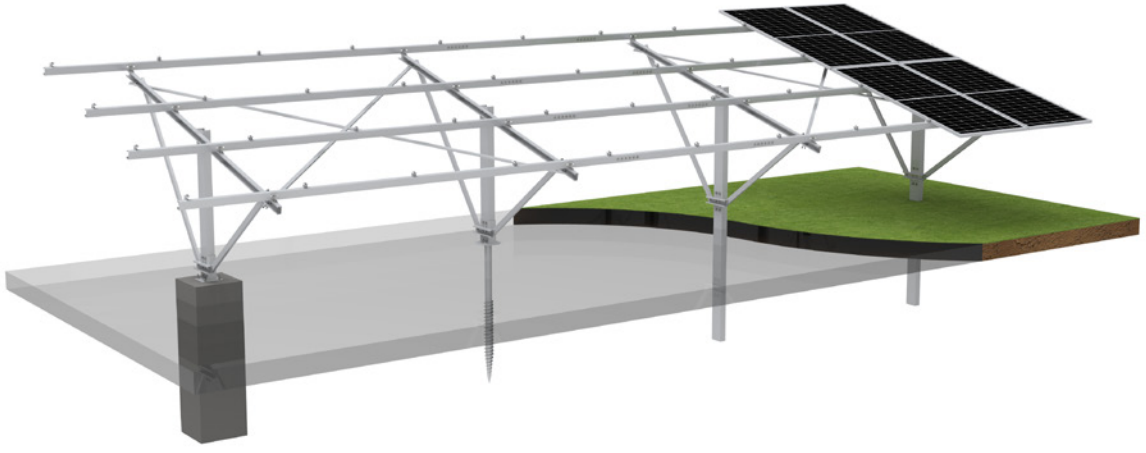
Material: S350GD+ZM	Concrete/Ground Screw/Rammed Post	Suitable for open flat terrain

Ground Mounting System LV-G03



Aluminum 6005-T5 with Anodizing or not	Suitable for deserts, saline-alkali lands and coastal areas

Ground Mounting System LV-G15



S350GD+ZM	Concrete/Ground Screw/Rammed Post	Suitable for mountainous and other complex terrains

Upgraded Ground System

East-West Arrangement System

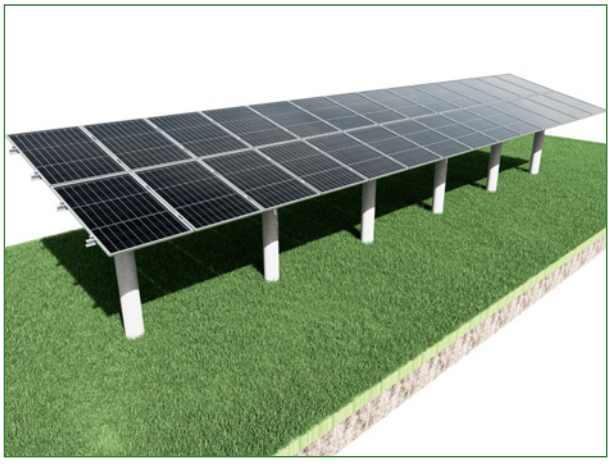
This ground-mounted photovoltaic system is neatly arranged in an east-west direction. It adopts high-efficiency solar modules with a stable and reliable structure. The reasonable layout ensures better sunlight absorption, convenient installation and daily maintenance, providing efficient and stable clean energy.





Fishery-PV Mounting System

The Fishery-PV mounting systems adopt cement pile foundations. These concrete piles are driven into the pond bed to stably support the PV panels above the water, which is a cost-effective and widely used solution for shallow water areas.





Ground with Access Walkway

This ground-mounted PV mounting system is equipped with special maintenance walkways. It has a stable structure, safe and convenient operation and maintenance, strong adaptability to terrain, and provides efficient and reliable clean energy.





Gabion Foundation System

Gabion foundations form the core of this photovoltaic installation system, offering superior load-bearing capacity and anti-erosion properties. Ideal for solar power projects in water-prone or uneven terrain, it simplifies construction while guaranteeing the stable operation and long service life of photovoltaic installations.





Flexible Solar Mounting System

This ground-mounted PV flexible support system features good adaptability, strong deformation resistance and high stability. It can effectively cope with complex terrains, reduce construction difficulty, and is easy to install and maintain, providing reliable and efficient power generation solutions.

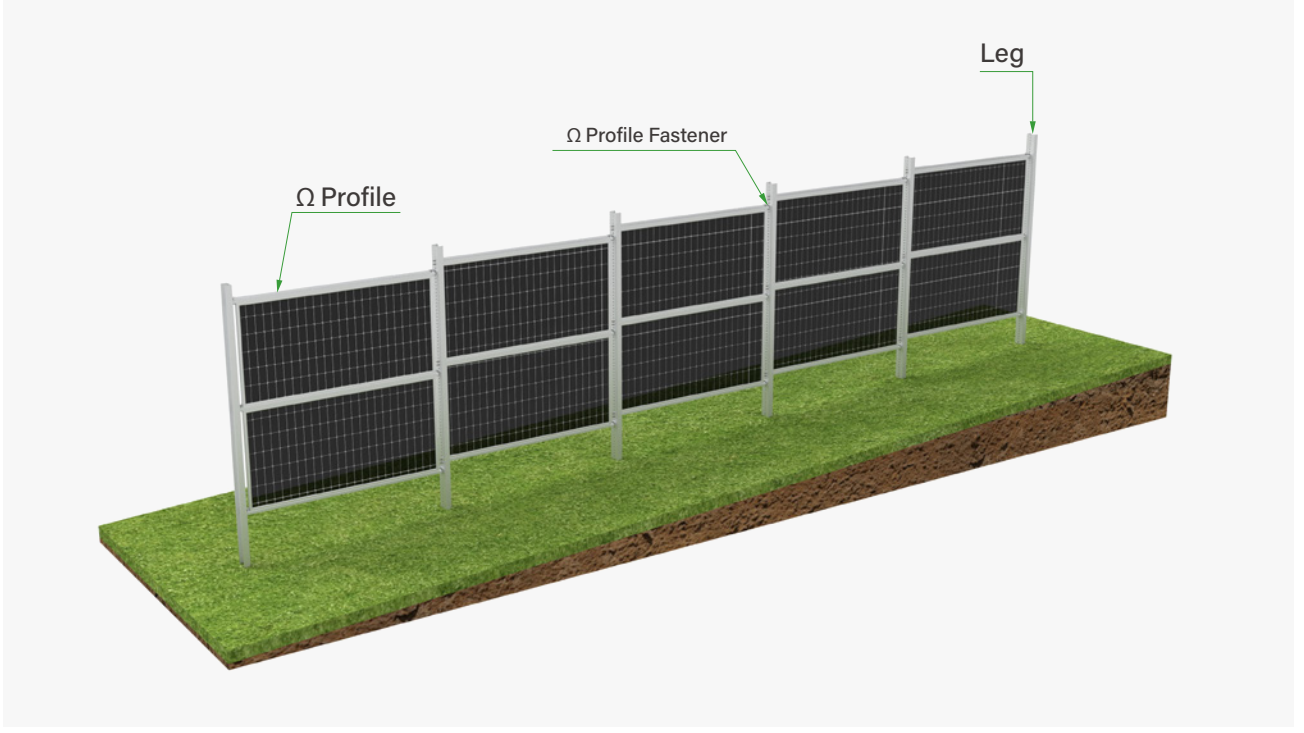


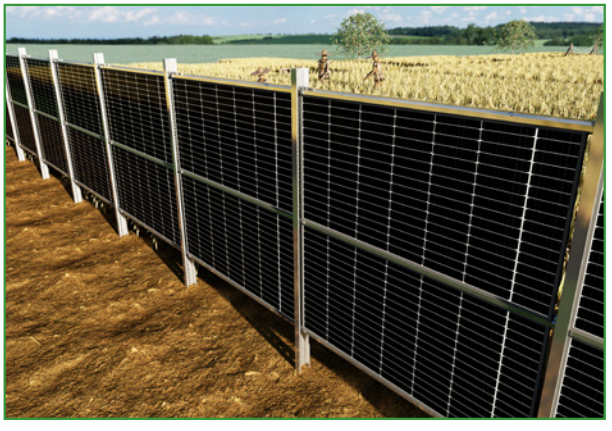


Other Ground System

Vertical Agri-PV Mounting System

This agri-pv mounting system adopts vertically arranged solar panels, perfectly integrating photovoltaic power generation with on-site fencing functions. It is specially designed for pastoral and agricultural scenarios such as ranches, farms and grasslands, with sturdy and wind-resistant structure to adapt to outdoor open-air environments.





★ Application Scenarios



Ranch



Farm

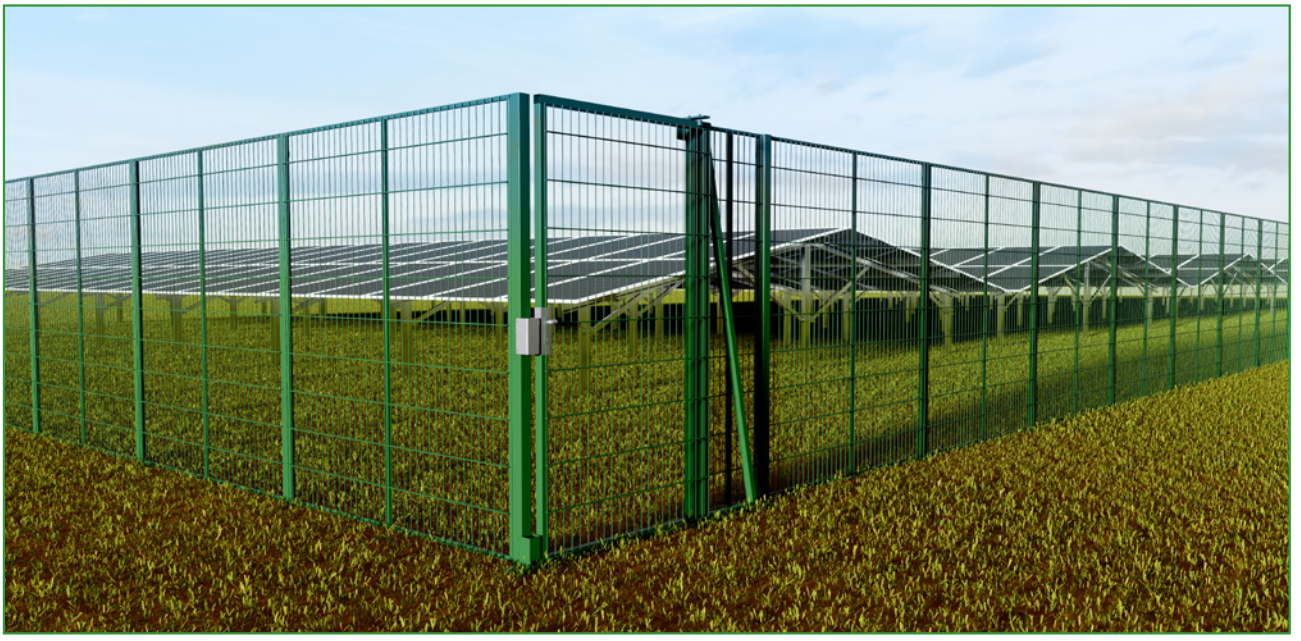


Expressway

PV Security Fencing

PV protective fence is installed around photovoltaic power stations to stop people and animals from straying into the working area. It shields solar equipment against external damage and lowers potential safety hazards. Equipped with access gates for staff entry and exit, this anti-rust metal fencing fits long-term outdoor application perfectly.





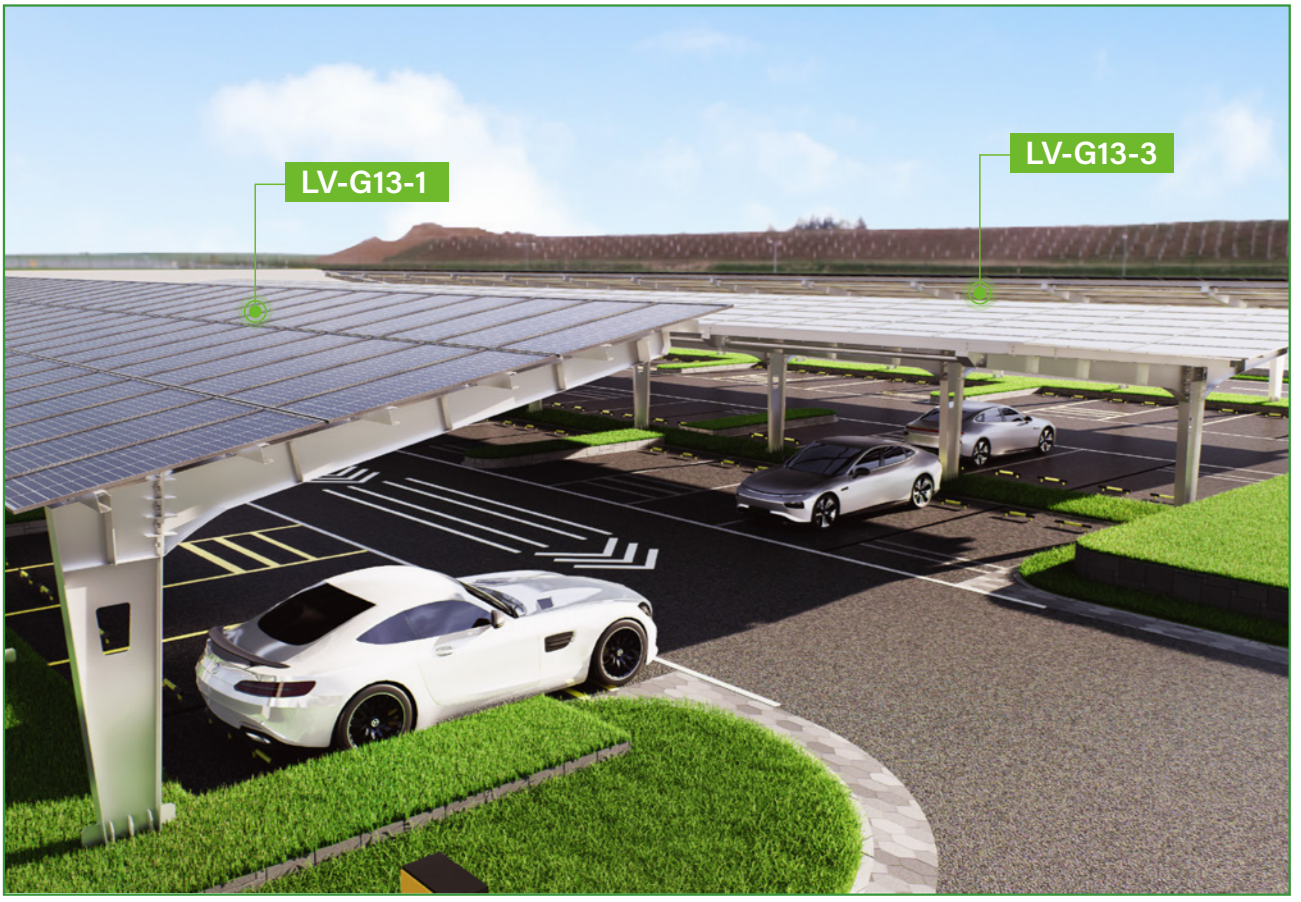
CARPORT
MOUNTING SYSTEM

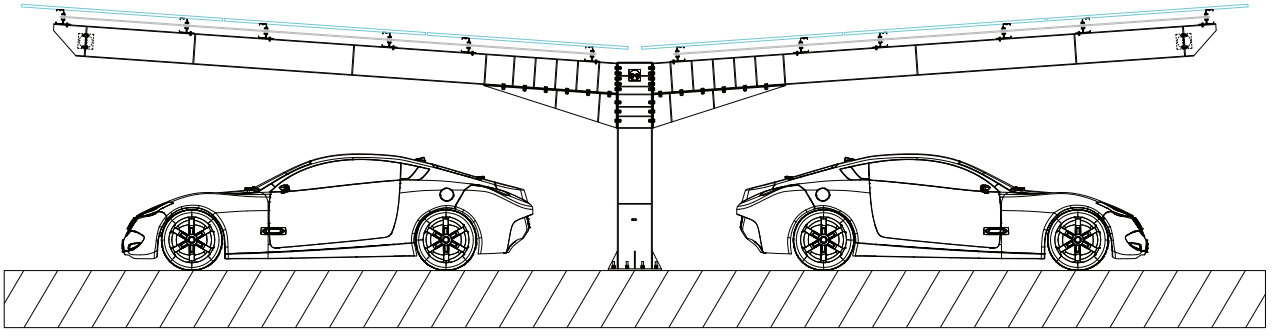
Our solar carport mounting system is an integrated solution designed for both parking facilities and solar power generation. It features a variety of structural types, including single-sided carport, double-sided carport, waterproof carport, and aluminum carport. With high structural strength, reliable waterproof performance, and excellent corrosion resistance, the system ensures long-term stability and efficient power generation, making it widely applicable to commercial, industrial and residential parking areas.

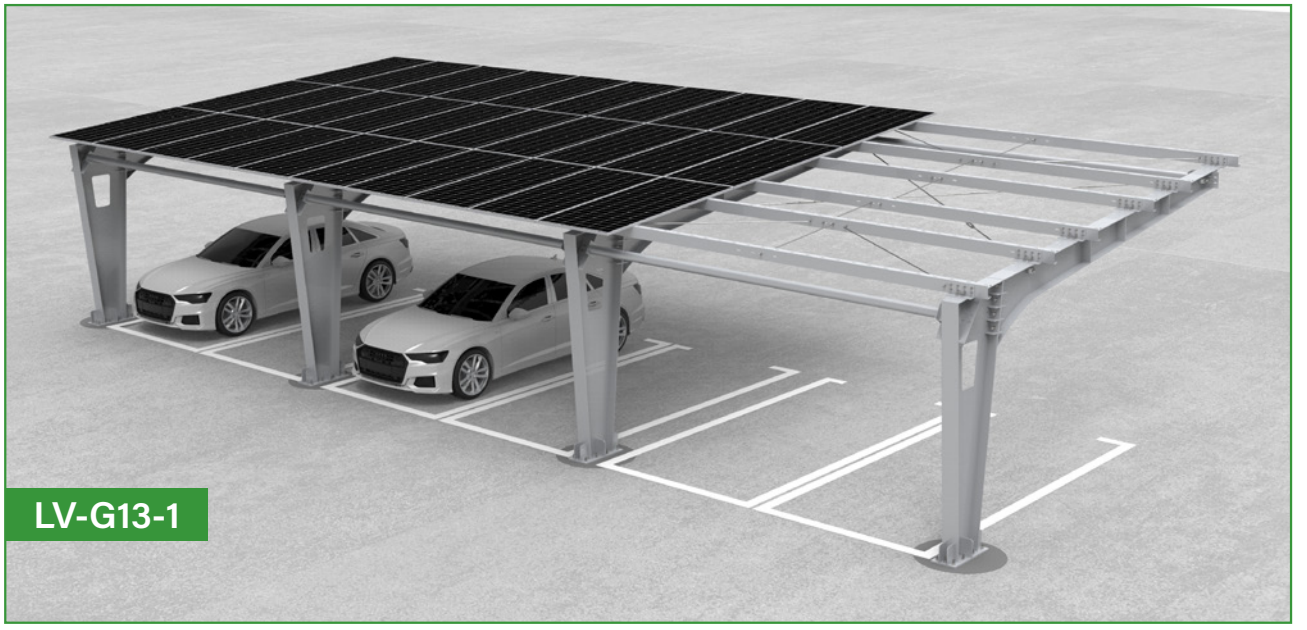


Single/Double Side Commercial Carport

Single-sided and double-sided solar carports are designed to meet different site and power requirements. The single-sided model features a compact structure and easy installation, while the double-sided version offers a larger span and higher loading capacity, effectively improving space utilization and power generation efficiency.







LV-G13-1



LV-G13-3

Wind Speed Up to 60m/s

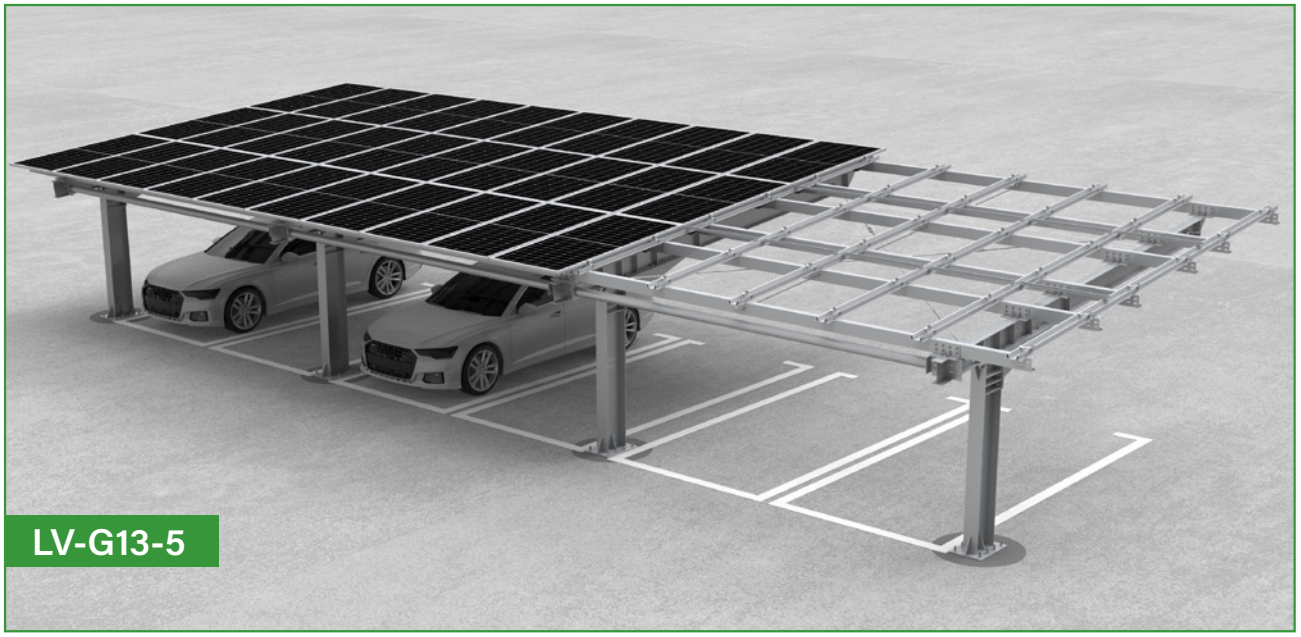
Tilt angle 0-15°

Customizable Sizes

Steel Q235B with HDG

Commercial Waterproof Carport

Waterproof solar carport adopts an integrated waterproof design, providing reliable rain and snow protection. It ensures a dry parking environment while maintaining stable structural performance and efficient power generation.



LV-G13-5



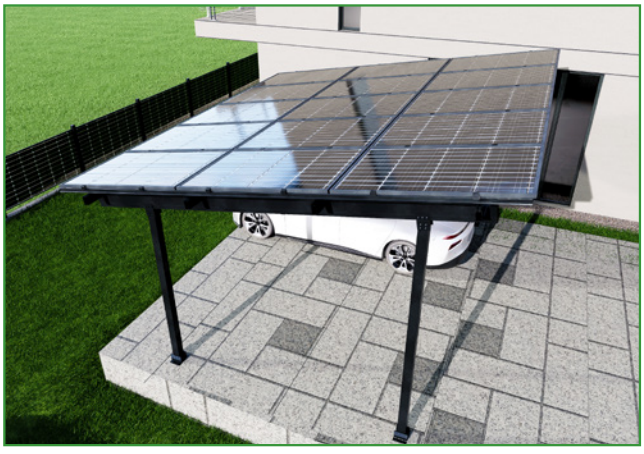
Home Aluminum Carport

This lightweight yet durable aluminum carport is specially designed for household use. It features excellent corrosion resistance, long service life, and an elegant appearance, providing a safe, reliable, and aesthetic parking and power generation solution for residential areas.



LV-G13-4





Wind Speed Up to 60m/s

Tilt angle 0-15°

Customizable Sizes

Aluminum 6005-T5、SS304

ROOF
MOUNTING SYSTEM

A versatile solar installation solution for all roof types, including tile and metal roofs.

Equipped with tailored fixing parts and universal components, it fits different roof slopes with flexibleangle adjustment, ensures secure, stable connections and easy installation, while protecting the original roof structure and waterproof performance.



Tile Roof System

Tile Roof Hook

These hook systems are very hot-sell curved tile roof solar mounting solution. The stainless steel material gives it good corrosion resistance and extremely strong structural load stress. The waist hole design is better installed in different positions of the rafter.





3010898



3010224



3010509

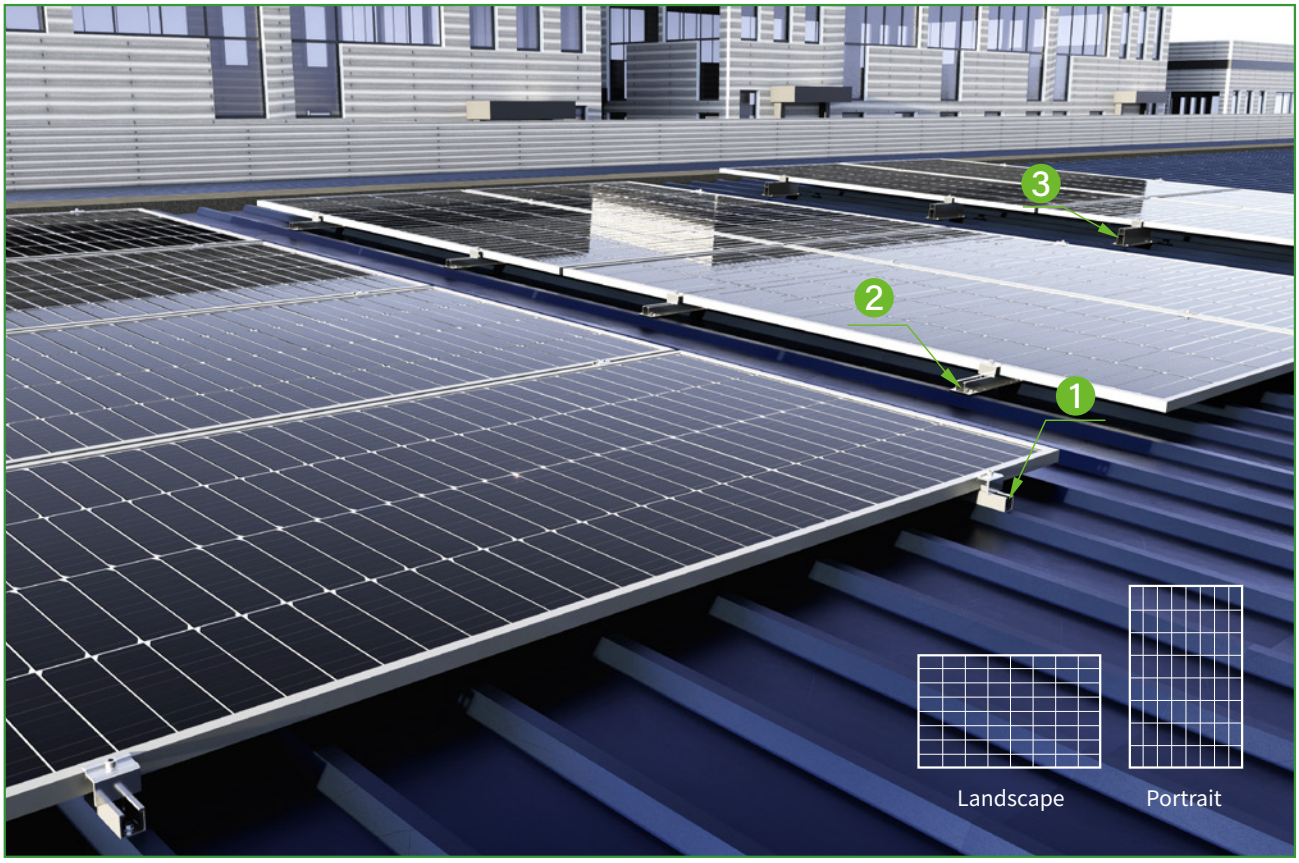


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Metal Roof System

Corrugated Metal Roof-Mini Rail

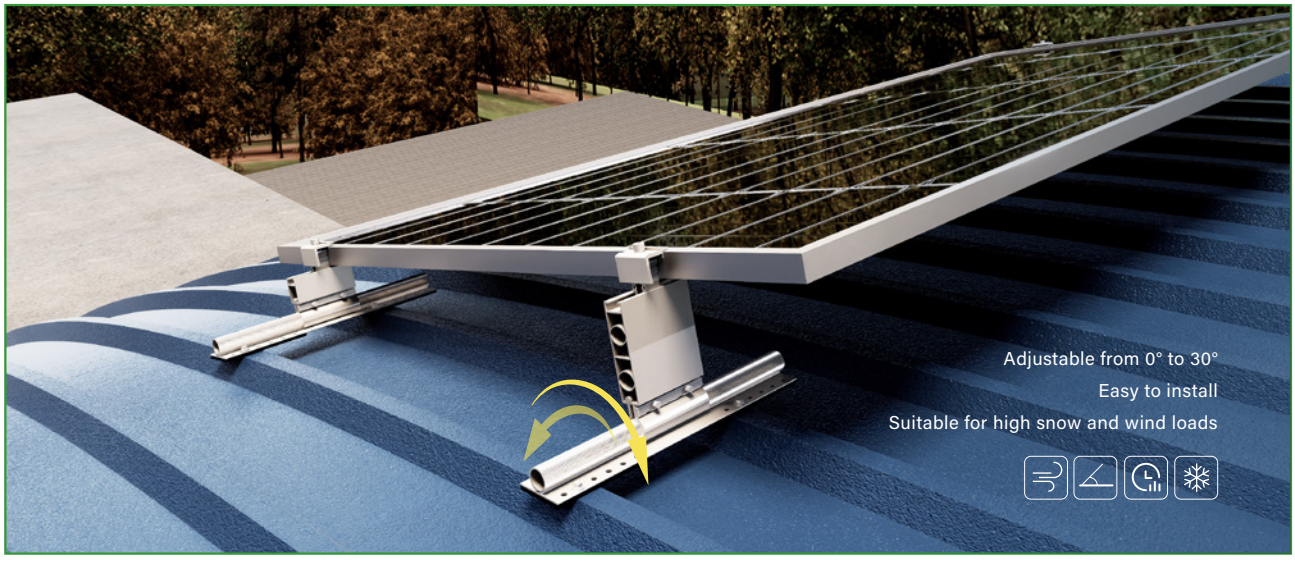
Mini rail is a compact, lightweight mounting component for solar sloped industrial metal roof installations, ideal for limited-space.
Stable panel fixation,features flexible adjustment and easy assembly, and is made of corrosion-resistant metal for long-lasting outdoor performance.



1	2	3
		
3010133 (Micro rail)	3010134 (Mini rail)	3010523 (H-mini rail)

Curved Metal Roof-Mini Rail

This curved roof PV mounting system is specially designed for arc, curved and arched roofs. It with good flexibility, strong adaptability and high compatibility.
The structure can perfectly fit the radian of the roof, ensuring stable installation, reliable waterproof performance and easy construction. It is widely used in factories, public buildings, venues and other buildings with curved roofs, helping customers efficiently realize photovoltaic power generation and green energy applications.







3011846

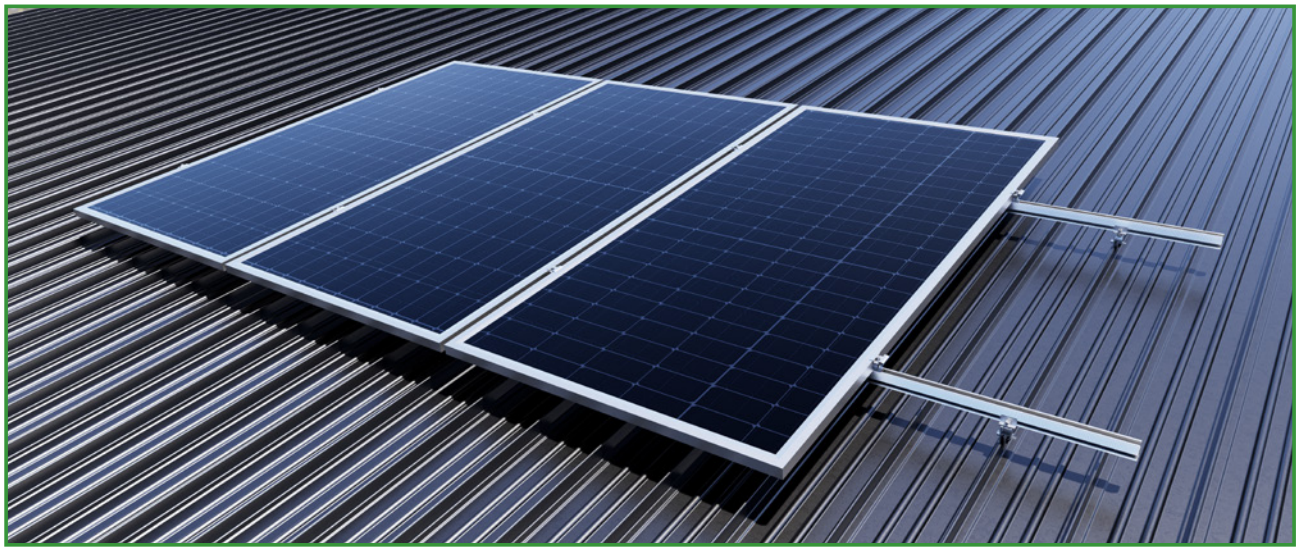


3011847(High-rise type)

Punch-Free Standing Seam Metal Roof

LV-M074 Rail system

is a clamp for curled and raised sheet, adapters for different standing seams are available. Length 45mm, with rails, panels are distributed portrait. The punch-free structure has M8*35 Allen bolts for properly fixing the clamp on the ridge of the metal sheet. It allows good airflow under the panels, thus optimizing the production of solar systems.

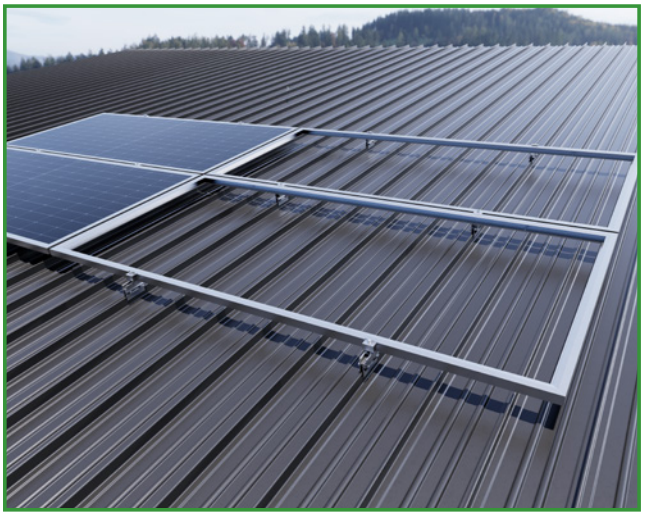


Note: Different standing seam roofs have different types of standing seam clamps

LV-M072 Rail free system

is a clamp for curled and raised sheet, adapters for different standing seams are available. Length 100mm, rail-free, panels are distributed landscape. The punch-free structure has 2pcs* M8*35 Allen bolts for properly fixing the clamp on the ridge of the metal sheet. It allows good airflow under the panels, thus optimizing the production of solar systems.





Note: Different standing seam roofs have different types of standing seam clamps

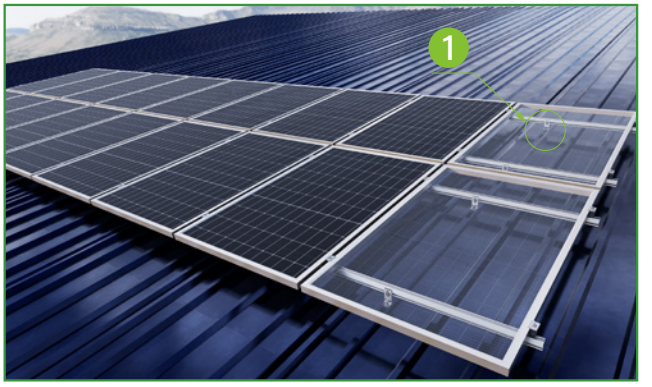
Corrugated Metal And Fiber Cement Roof-Hanger Bolt

Hanger bolts are dedicated fasteners for solar PV mounting systems. Featuring a dual-thread design, one end provides firm anchoring into wooden purlins while the other securely connects to photovoltaic mounting brackets. Constructed from high-strength stainless steel with waterproof EPDM gaskets, they are widely used for solar panel installations on metal roofs and asbestos cement roofs, offering stable support, excellent weather resistance and reliable long-term performance.

1



LV-M075



2



LV-M0732



3

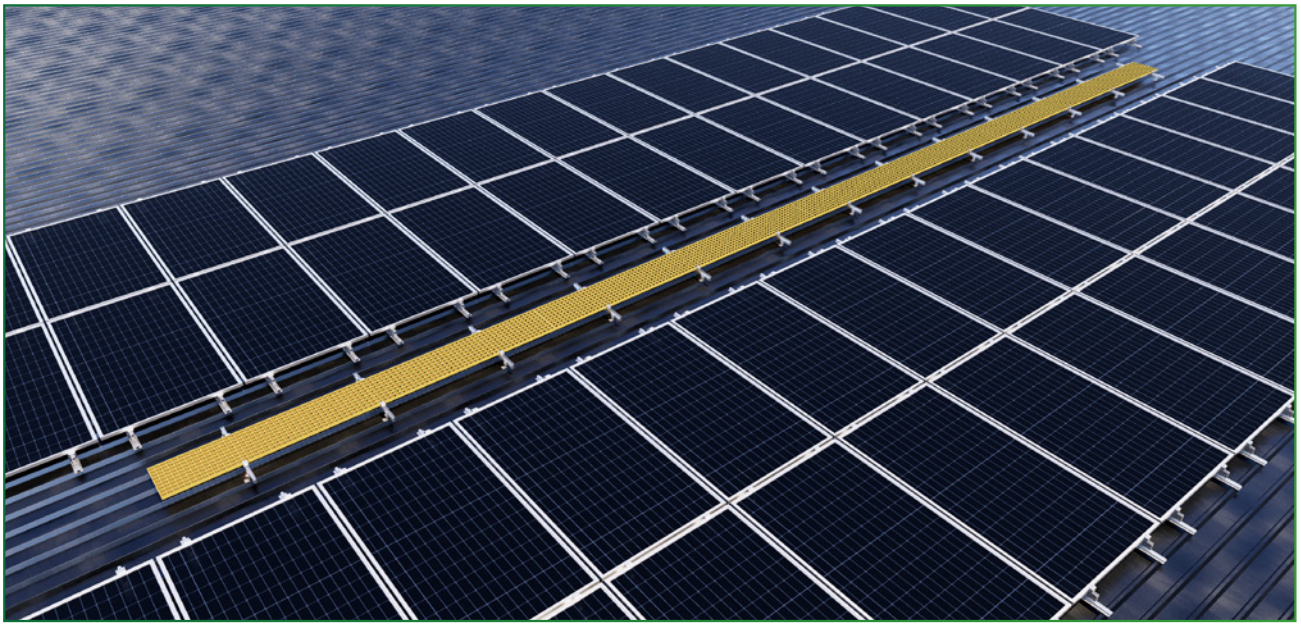


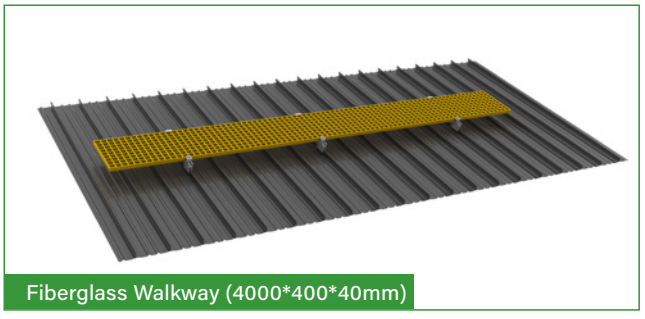
LV-M0731



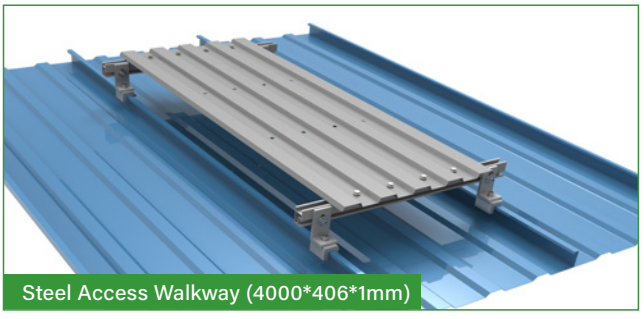
Metal Roof Walkway System

Solar Walkway System is one of the most commonly used parts for industrial & commercial solar metal roof projects. The material is made of very strong fiberglass, resin and calcium powder, also be a galvanized steel. In addition to this material, we also launched steel walkway and aluminum walkway system. Walkway is a good solution for passage and working areas under sediment, chemical oil pollution and wet conditions.
Walkway can be easily installed on horizontal and vertical. Different fixing solutions to help you easily lay the walkway system.





Fiberglass Walkway (4000*400*40mm)



Steel Access Walkway (4000*406*1mm)



Angled Walkway



Aluminum Access Walkway

Flat Roof System

Adjustable System LV-F063

This is a seasonal manual adjustable roof solar mounting system. It can be applied for roofs with ups and downs and roofs with inherent tilt angles with its adjustable angle. The horizontal angle can be adjusted in the range of 15~30°. The adjustable angle meets the best solar power generation efficiency from low latitudes to high latitudes. The following figure shows examples of flat roofs and metal roofs.

Note: Seasonal manual adjustment usually adjusts the panel angle in summer and winter to achieve maximum power generation. Operation and maintenance work requires specialized installation workers to operate.





Flat Roof



Metal Roof
(Need to be used with standing seam clamp)

TPO Hot Air Welded PV Mounting Bracket

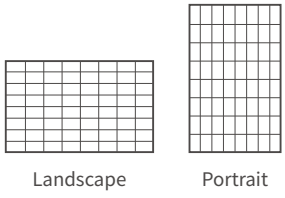
This TPO solar mounting bracket is specially developed for roofs covered with TPO waterproof membrane. The base disc at the bottom of the bracket is made of the same TPO material as the roof sheet. During installation, hot air welding is applied to heat the base disc and the roof TPO membrane. The two parts will melt and fuse tightly together to secure the bracket firmly. No drilling or penetration into the roof waterproof layer is required, which fundamentally eliminates the risk of water leakage and ensures the same service lifespan as the roof membrane and solar panels.



Adjustable System LV-F0622

This system is ideal for flat roofs with foil, bitumen, gravel, green roofs, metal, concrete, and open spaces. Made from Aluminum 6005-T5 and SS304, it supports framed modules in portrait orientation with a tilt range of 15° to 30°. Suitable for buildings up to 25m high and roof inclinations up to 5°, it withstands wind speeds of up to 50m/s. The maximum panel length supports 2278 * 1134mm, while also accommodating 1 row landscape or 2 rows portrait.



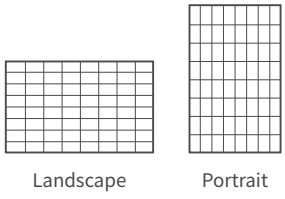




Adjustable System LV-F0624

This is a solar mounting system designed for Flat roof with concrete, TPO and Metal roof. The design without beam makes the bracket installation more flexible and can provide more angle options. Worried about drilling leakage? You can simply use cement foundation to prevent water from gathering.

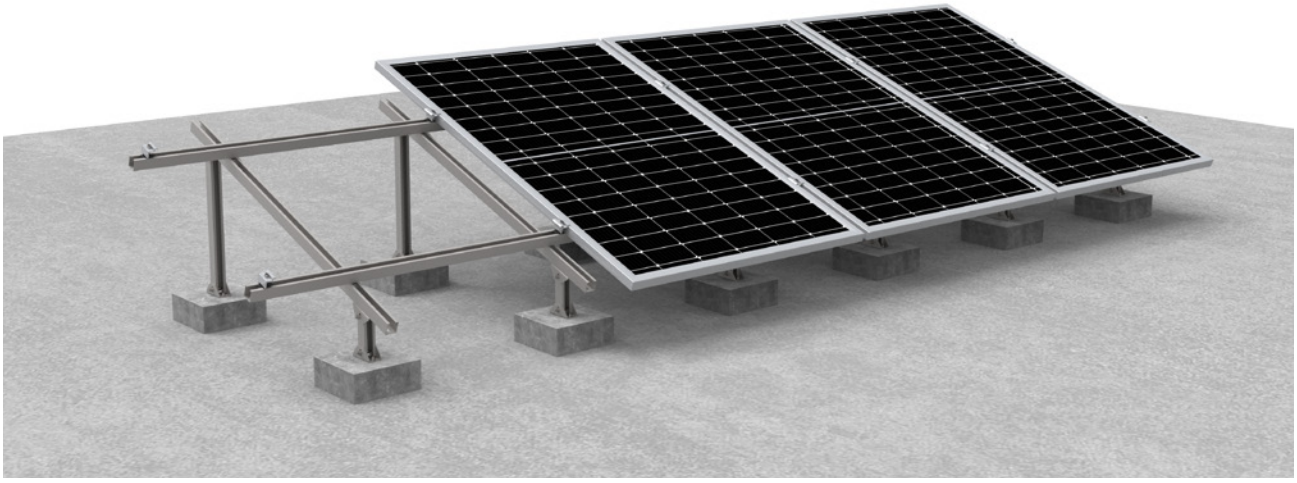






Flat Roof System LV-G02

This is a comprehensive system compatible with flat roof and ground. It will be presented here on industrial and commercial cement roofs and roof awning, it can avoid being blocked by roof fences. The design of U steel provides the structure with stronger load capacity. The simple structural fixing method has also become an important reason why U steel is popular with customers and the market. Made of Q235 hot-dip galvanized and ZM275 magnelis steel materials, it provides a service life of more than 25 year.







FEATURE	
Material: Steel S355 with ZM275/310 or Q235 with HDG	Panel array: 1P/2P/2H/3H
Foundation type: Concrete foundation	Custom designed roof awnings available
Wind speed: Up to 60m/s	15-year warranties, 25-year service life
Tilt angles: 5-50°	

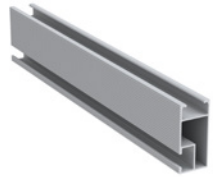
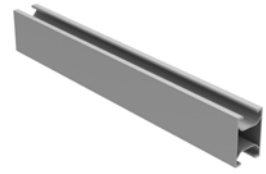
Note: The foundation design has taken waterproofing into consideration

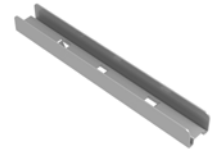
ROOF MOUNTING ACCESSORIES

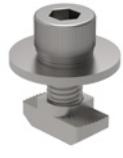
Our roof mounting accessories deliver a secure, reliable foundation for solar panel installations on pitched and flat roofs. Crafted from high-strength, corrosion-resistant aluminum alloy and stainless steel, they ensure long-term durability and weather resistance. The modular design enables quick, tool-free assembly, reducing labor time and costs while complying with international safety standards.



Side-fastening rail system general component

Roof rail	A030	A031	A336
Material	Aluminum 6005-T5	Aluminum 6005-T5	Aluminum 6005-T5
Color	Sliver / Black	Sliver / Black	Sliver / Black
Max Length	6200mm	6200mm	6200mm
Product			

Rail splice	3011024	3011025	3011899
Material	ZM275 magnelis	ZM275 magnelis	ZM275 magnelis
Max Length	200mm	200mm	200mm
Product			

Rail fastener	3010346	3010319
Material	Aluminum 6005-T5 & SS304	Aluminum 6005-T5 & SS304
Bolt	M8x18	M8x18
Suitable	1. Rail A030 & A031 2.Metal roof and flat roof system	1. Rail A030 & A031 2.Metal roof and flat roof system
Product		

Solar panel clamp general component

Mid clamp: **3011431** (40mm)
Material: Aluminum 6005-T5
Finished: Anodized
Module thickness: 30/33/35/40mm
Suitable for all types of LEVER SOLAR roof rail profiles

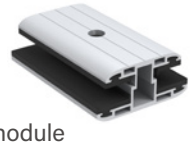


Mid clamp: **3010077** (40mm)
Material: Aluminum 6005-T5
Finished: Anodized
Module thickness: 30/33/35/40mm
Suitable for all types of LEVER SOLAR roof rail profiles



Note: Middle end clamps with grounding pin

Thin film mid clamp: **3010486**
Material: Aluminum 6005-T5
Finished: Anodized
Module type: Thin film/Frameless module
Module thickness: From 7mm up to 9mm
Length: 80mm/100mm/120mm/150mm



Thin film end clamp: **3010485**
Material: Aluminum 6005-T5
Finished: Anodized
Module type: Thin film/Frameless module
Module thickness: From 7mm up to 9mm
Length: 80mm/100mm/120mm/150mm



Note: Thin film panel clamps are also available. Please provide thin film panel datasheet

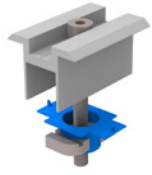
Mid clamp: **3010023**
Material: Aluminum 6005-T5
Finished: Anodized
Module thickness: 30/33/35/40mm
Suitable for C-steel profiles
Length: 50mm



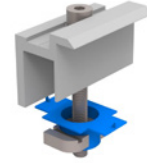
End clamp: **3010501**
Material: Aluminum 6005-T5
Finished: Anodized
Module thickness: 30/33/35/40mm
Suitable for C-steel profiles
Length: 50mm



Mid clamp: **3010001**
Material: Aluminum 6005-T5
Finished: Anodized
Module thickness: 30/33/35/40mm
Suitable for U-steel profiles
Length: 50mm



End clamp: **3010013**
Material: Aluminum 6005-T5
Finished: Anodized
Module thickness: 30/33/35/40mm
Suitable for U-steel profiles
Length: 50mm



Note: Ground system with grounding pin in the middle end clamps

Perforable mounting component

Mini Rail	3010133	3010134	3010137
Material	Aluminum 6005-T5	Aluminum 6005-T5	Aluminum 6005-T5
Color	Sliver / Black	Sliver / Black	Sliver / Black
Length	120mm/customized	300/375/400mm/customized	120mm/customized
Product			

Mini Rail	3010886	3010523 (Higher mini rail)
Material	Aluminum 6005-T5	Aluminum 6005-T5
Color	Sliver / Black	Sliver / Black
Length	120mm/customized	300/400mm/customized
Product		

Title	Standing Seam Curved Roof		Curved Roof Mini Rail
Material	Aluminum 6005-T5	Aluminum 6005-T5	Aluminum 6005-T5
Color	Sliver	Sliver	Sliver
Length	100mm	100mm	400mm/customized
Product			

Fixings for anchoring to metal/wooden beams

Hanger bolt	3010427 (With Aluminum Clamp)	3010297 (With Steel Plate)
Material	Hanger bolt: SS304; Rail clamp: Aluminum 6005-T5	SS304
Size	M10*150/200/250/300	Hanger bolt: M10*150/200/250/300 Steel Plate: 30x100x5mm
Suitable	A020	A024
Product		

Hanger bolt	3010148 (With L foot)	3011168 (With L foot)
Material	Hanger bolt: SS304; L foot: Aluminum 6005-T5	Hanger bolt: SS304; L foot: Aluminum 6005-T5
Size	M10*150/200/250/300	M10*150/200/250/300
Suitable	A030	A030
Product		

Note: Different screw heads match different roof beams

Corrugated metal roof l-foot system fasteners



3010313 3010314 3010247

1. **Material:**
   Aluminum 6005-T5
2. **Kits:**
   L foot, Rail fastener, Tail screw, EPDM sealing tape
3. **Size of rail faster bolt:**
   M8x18
4. **Size of Tail screw:**
   ST6.3x60, ST6.3x150

Perforation-free with Rail mounting components



Type	3010095
Material	Aluminum 6005-T5
Bolt	1pc of M8x35
Type of roofing	Double-fold standing seam
Length	45mm



Type	3010097
Material	Aluminum 6005-T5
Bolt	1pc of M8x35
Type of roofing	Check the detailed size
Length	45mm



Type	3010099
Material	Aluminum 6005-T5
Bolt	1pc of M8x35
Type of roofing	Check the detailed size
Length	45mm



Type	3010101
Material	Aluminum 6005-T5
Bolt	1pc of M8x35
Type of roofing	Check the detailed size
Length	45mm



Type	3010103
Material	Aluminum 6005-T5
Bolt	1pc of M8x35
Type of roofing	Check the detailed size
Length	45mm



Type	3010105
Material	Aluminum 6005-T5
Bolt	1pc of M8x35
Type of roofing	Diamond shape
Length	45mm



Type	3010107
Material	Aluminum 6005-T5
Bolt	1pc of M8x35
Type of roofing	RIB-ROOF Evolution ; Kalzip
Length	45mm



Type	3010109
Material	Aluminum 6005-T5
Bolt	1pc of M8x35
Type of roofing	Check the detailed size
Length	45mm



Type	3010111
Material	Aluminum 6005-T5
Bolt	1pc of M8x35
Type of roofing	RIB-ROOF 465
Length	45mm



Type	3010113
Material	Aluminum 6005-T5
Bolt	1pc of M8x35
Type of roofing	KLIP-LOK 410
Length	45mm



Type	3010115
Material	Aluminum 6005-T5
Bolt	1pc of M8x35
Type of roofing	KLIP-LOK 700
Length	45mm



Type	3010117
Material	Aluminum 6005-T5
Bolt	1pc of M8x35
Type of roofing	Rib-Roof Speed 500
Length	45mm



Type	3010124
Material	Aluminum 6005-T5
Bolt	2pc of M8x25
Type of roofing	Double-fold standing seam
Length	50mm

Perforation-free Rail free mounting components



Type	3010096
Material	Aluminum 6005-T5
Bolt	2pc of M8x35
Type of roofing	Double-fold standing seam
Length	100mm



Type	3010098
Material	Aluminum 6005-T5
Bolt	2pc of M8x35
Type of roofing	Check the detailed size
Length	100mm



Type	3010100
Material	Aluminum 6005-T5
Bolt	2pc of M8x35
Type of roofing	Check the detailed size
Length	100mm



Type	3010102
Material	Aluminum 6005-T5
Bolt	2pc of M8x35
Type of roofing	Double-fold standing seam
Length	100mm



Type	3010104
Material	Aluminum 6005-T5
Bolt	2pc of M8x35
Type of roofing	Check the detailed size
Length	100mm



Type	3010106
Material	Aluminum 6005-T5
Bolt	2pc of M8x35
Type of roofing	Diamond shape
Length	100mm



Type	3010108
Material	Aluminum 6005-T5
Bolt	2pc of M8x35
Type of roofing	RIB-ROOF Evolution ; Kalzip
Length	100mm



Type	3010110
Material	Aluminum 6005-T5
Bolt	2pc of M8x35
Type of roofing	Check the detailed size
Length	100mm



Type	3010112
Material	Aluminum 6005-T5
Bolt	2pc of M8x35
Type of roofing	RIB-ROOF 465
Length	100mm



Type	3010114
Material	Aluminum 6005-T5
Bolt	2pc of M8x35
Type of roofing	KLIP-LOK 410
Length	100mm



Type	3010116
Material	Aluminum 6005-T5
Bolt	2pc of M8x35
Type of roofing	KLIP-LOK 700
Length	100mm



Type	3010118
Material	Aluminum 6005-T5
Bolt	2pc of M8x35
Type of roofing	Rib-Roof Speed 500
Length	100mm



Type	3010125
Material	Aluminum 6005-T5
Bolt	2pcs of M8x25, 1pcs of M8x10
Type of roofing	Double-fold standing seam
Length	100mm



Type	3010720
Material	Aluminum 6005-T5
Bolt	4pcs of ST6.3*25
Type of roofing	PV4 Roof
Length	100mm

Tile Roof Hook components



Type	3010509
Material	Aluminum 6005-T5
Screw	2pcs of M8x80 TX40
Type of roofing	Curved tile roof



Type	3010219
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Curved tile roof



Type	3010910
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Flat tile roof



Type	3010222
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Curved tile roof



Type	3010223
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Curved tile roof



Type	3010228
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Flat tile roof



Type	3010229
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Flat tile roof



Type	3010232
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Flat tile roof



Type	3010224
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Curved tile roof



Type	3010220
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Curved tile roof



Type	3010517
Material	Aluminum 6005-T5
Screw	2pcs of M8x80 TX40
Type of roofing	Curved tile roof



Type	3010225
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Curved tile roof



Type	3010519
Material	Aluminum 6005-T5
Screw	2pcs of M8x80 TX40
Type of roofing	Flat tile roof



Type	3010227
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Flat tile roof



Type	3010230
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Flat tile roof



Type	3010231
Material	SS304
Screw	2pcs of M8x80 TX40
Type of roofing	Flat tile roof

Additional Accessories

Bolts and Screws



Allen bolt
SS304 bolts
M8/M10 *different lengths



Hexagon head bolt
SS304 bolts
M10/M12/M16*different lengths



T - bolt
SS304 bolts
M8/M10 *different lengths



Hex nuts
SS304 bolts
Type: M8/M10/M12



Flange nut with locking teeth
SS304 bolts
Type: M8/M10/M12



T - nut
SS304 bolts
Type: M8/M10



Flat washer
SS304 bolts
Type: M8/M10/M12



Spring washer
SS304 bolts
Type: M8/M10/M12



Anti-theft nut
SS304 bolts
Type: M8/M10/M12



Drill tail screw
SS410 screws
ST6.3*different lengths



Self-drilling screw
SS410 screws
ST5.5*25 / ST6.3*25



Shear-off security screw
SS303 screws
Type: M8*55



Hex head wooden screw
SS304 screws
M8*75 / M8*100



Torx head wooden screw
SS304 screws
M8*80 / M8*100



Torx head anti-theft screw
SS304 screws
M8*25 / M8*60



Ground screw pipe 3010687
Material: Q235 steel
Finished: Galvanized 60um
Flange size: 220mm diameter
Pile size: 76*3.0/89*3.0mm
Length: 1600/1800/customized



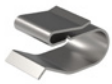
Ground screw pipe 3010858
Material: Q235 steel
Finished: Galvanized 60um
Flange size: 220mm diameter
Pile size: 76*3.0mm
Length: 1400/1600/customized

Accessories



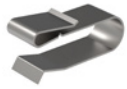
Grounding lug 3010163

Material: Aluminum 6005-T5
Installed on the edge of the panel, grounding symbol



Two cable clip

Material: SS304
Cable management



Four cable clip

Material: SS304
Cable management



Grounding lug

Material: SS304
Installed on the edge of the panel, grounding symbol



End cap

Material: PA6
Suitable for Rail A024



End cap

Material: PA6
Suitable for Rail A020



Rail-less inverter bracket

Material: SS304
Suitable for rail-less systems



Rail-mounted inverter bracket

Material: SS304
Suitable for rail-mounted systems



Drainage clamp

Material: SS304
Used for PV panel drainage









Cable tray

Material: HDG steel
200*100/200*200、200*300/300*300
200*150/150*150

Auxiliary Tools



Full Body Safety Harness



Horizontal Lifeline System



Roof Guardrail



Roof Guardrail 2



EPDM sealing strip



MC4 PV Connector

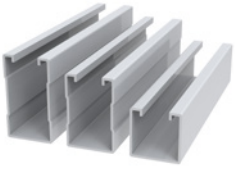


Cable tie

Steel Profile (HDG)



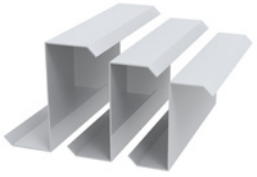
C Shape Steel Profiles
Size: C60-C250,etc
Material: Q235B
Surface Treatment: HDG
Thickness: 2-3mm



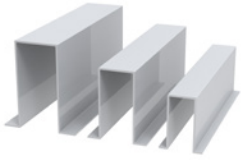
U Shape Steel Profiles
Size: U41*20-72,etc
Material: Q235B
Surface Treatment: HDG
Thickness: 2-3mm



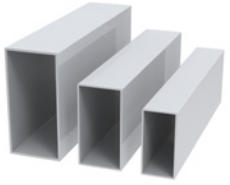
H Shape Steel Profiles
Size: H150-H600,etc
Material: Q235B/Q355
Surface Treatment: HDG
Thickness: 4.5-20mm



Z Shape Steel Profiles
Size: (H)80-350,etc
Material: Q235B
Surface Treatment: HDG
Thickness: 1.6-3.0mm



Ω Shape Steel Profiles
Size: (H)20-200,etc;(W)30-150,etc
Material: Q235B
Surface Treatment: HDG
Thickness: 1-3mm



☐ Shape Steel Profiles
Size: ☐120x60-☐200x100,etc
Material: Q235B
Surface Treatment: HDG
Thickness: 2-5mm

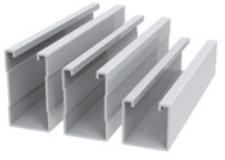


L Shape Steel Profiles
Size: L30-L200,etc
Material: Q235B
Surface Treatment: HDG
Thickness: 3-20mm

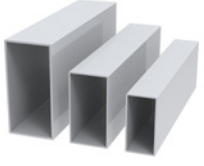
Steel Profile (ZMA)



C Shape Steel Profiles
Size: C60-C250,etc
Material: S355GD
Surface Treatment: ZMA
Thickness: 1.5-3mm



U Shape Steel Profiles
Size: U41*20-72,etc
Material: S355GD
Surface Treatment: ZMA
Thickness: 1.5-3mm



☐ Shape Steel Profiles
Size: ☐120x60-☐200x100,etc
Material: S355GD
Surface Treatment: ZMA
Thickness: 1.5-3mm

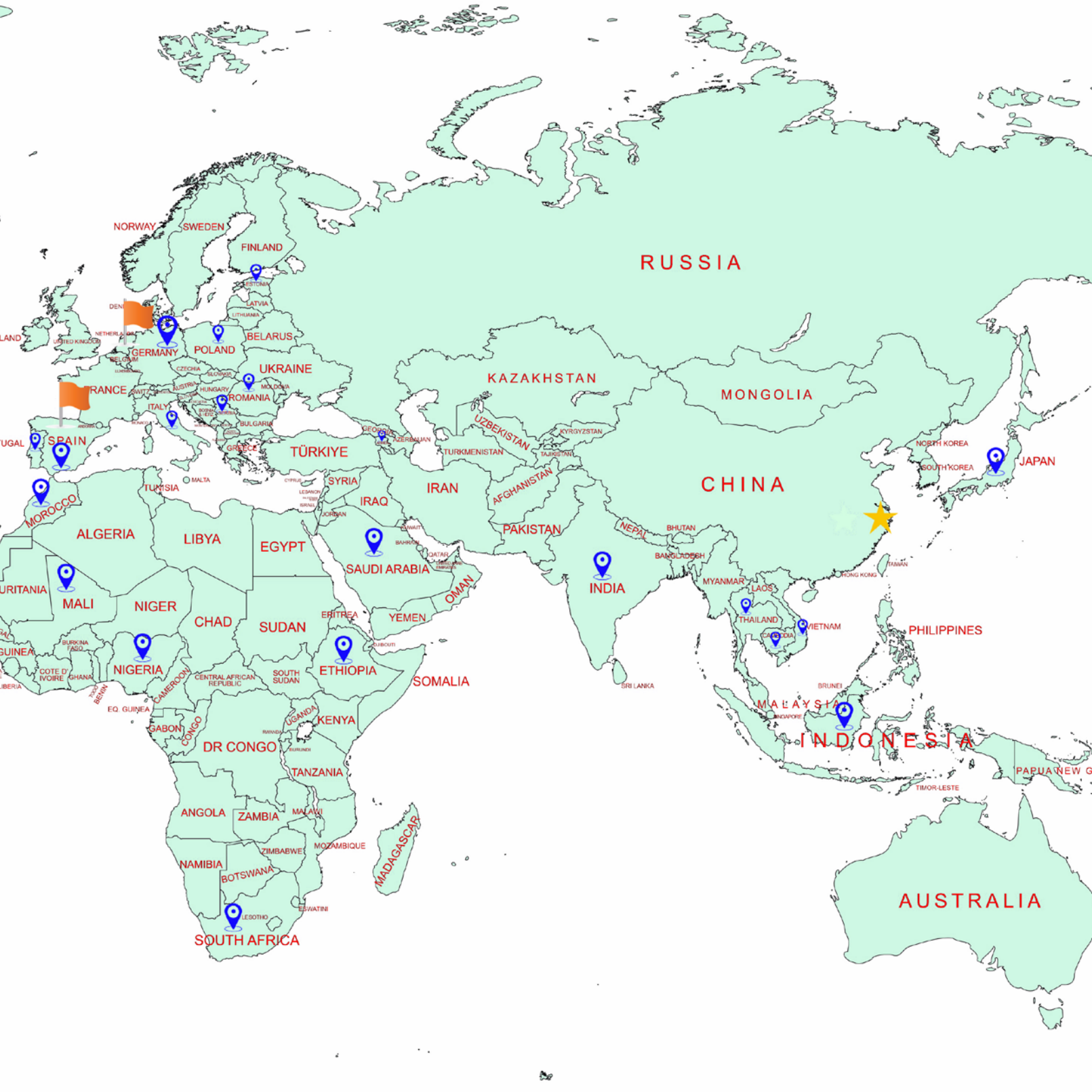


Ω Shape Steel Profiles
Size: (H)20-200,etc;(W)30-150,etc
Material: S355GD
Surface Treatment: ZMA
Thickness: 1-3mm

APPENDIX

Our Office




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MOLDOVA
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TÜRKIYE
GEORGIA
AZERBAIJAN
KAZAKHSTAN
UZBEKISTAN
TURKMENISTAN
KYRGYZSTAN
TAJIKISTAN
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SOUTH KOREA
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BOTSWANA
LESOTHO
ESWATINI
SOUTH AFRICA
AUSTRALIA

APPENDIX

Our Certificates


CERTIFICATE OF QUALITY MANAGEMENT SYSTEM CERTIFICATION

HEREBY CERTIFY

ZHEJIANG LEVER TECHNOLOGY CO., LTD.

The quality management system meets the following standards

GB/T19001-2016 idt ISO9001:2015

Certification coverage

Production and service of brackets for solar photovoltaic products

Issued on: July 07,2023

This certificate is valid from July 07,2023 to July 06,2026


Certificate of Conformity of the Factory Production Control

1029 – CPR – CN24/09004592

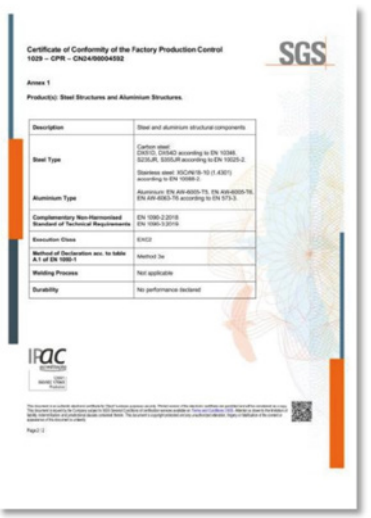
SGS

ZHEJIANG LEVER TECHNOLOGY CO., LTD.

EN 1090-1:2009+A1:2011

under system 2+ are applied and that the factory production control is assessed to be in conformity with the applicable requirements.

IRAC


Certificate of Conformity of the Factory Production Control

1029 – CPR – CN24/09004592

SGS

Annex 1

Product(s): Steel Structures and Aluminium Structures.

Description	Steel and aluminium structural components
Steel Type	Carbon steel: EN10025-2, S235JR, S355JR according to EN 10025-2 Stainless steel: X5CrNi18-10 (1.4301) according to EN 10088-2
Aluminium Type	Aluminium: EN AW-6005-T5, EN AW-6005-T6, EN AW-6063-T6 according to EN 573-3
Complementary Non-Harmonised Standard of Technical Requirements	EN 1090-2:2018 EN 1090-3:2019
Execution Class	EXC2
Method of Declaration acc. to table A.1 of EN 1090-1	Method 3a
Welding Process	Not applicable
Durability	No performance declared

IRAC


Zertifikat Certificate

Prüfbuchsen Test Mount: 3 PRS 1794/10.10

Gerätidentifikation Product Identification

Produkt: PV Components for BOS - mechanical

Modell: Modelle und auf nächste(r) Seite(n) gelistet

Technische Daten: Technische Daten auf nächste(r) Seite(n) gelistet

Gültig bis: 2030-01-23

Ausstellungsdatum: 2025-01-24

TÜVRheinland® Precisely Right.


Intertek

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Intertek


Beide

RoHS TEST REPORT

Report No. : B-R200227856

Date: Mar. 04, 2020

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RoHS


实用新型专利证书


发明专利证书


实用新型专利证书

APPENDIX

Production & Packing

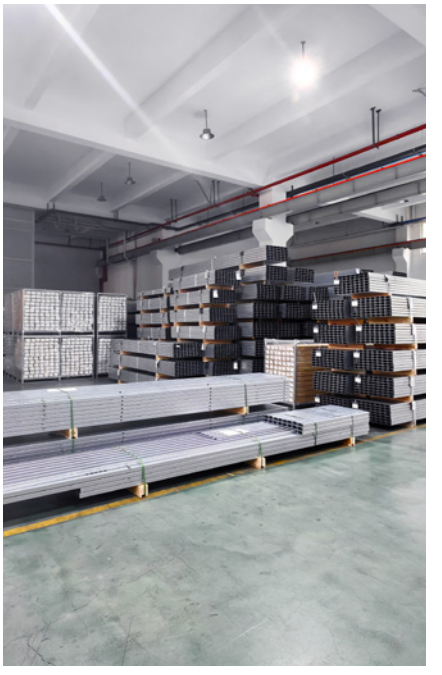




















APPENDIX

Project Reference





























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