



中津国际贸易(天津)有限公司
SinoJ International Trade (Tianjin) Co., Ltd.

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构建未来能源结构
Structure the Future Energy

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SinoJ International Trade (Tianjin) Co., Ltd.
Structure the Future Energy



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Company Profile

SinoJ International Trade (Tianjin) Co., Ltd. is a subsidiary of the Photovoltaic Foreign Trade Division of Xiushui Pipe Manufacturing Co., Ltd., strategically located in Datun Industrial Park, Jinghai District, Tianjin, China.

We integrate R&D, design, production, and sales of PV mounting systems, offering one-stop total solutions for PV projects. With over 10 years of industry experience, we focus on customized designs that balance cost control with power output efficiency. Our team provides full lifecycle support — from proposal and design to after-sales service. All our PV mounting systems and accessories come with a 20+ year quality guarantee.

20 years
Industry Experience

30000+ m²
Factory Is Equipped

20 lines
Automated Production Lines

Guided by our philosophy — "Development is the Direction, Action is the Truth" — SinoJ holds international certifications including ISO9001, ISO14001, ISO45001, ISO50001, CE, and RoHS. All products have passed strict testing by authoritative institutions, ensuring reliable performance and compliance with global standards.



ISO9001



ISO14001



ISO45001



CE

Factory Strength

Our 30,000+ m² factory is equipped with a professional R&D team and 20 automated production lines. We also leverage the extensive experience of our parent company, Tianjin Xiushui Pipe Manufacturing Co., Ltd. (founded 2007), in steel pipe manufacturing and the new energy sector.



Film Laminating Machine



Cold Roll Forming Machine Closeup



Cold Roll Forming Machine



Punching-Machine



Stamping Press



Flying Cut-Off Machine



Hydraulic Press



Full Line Forming Machine

Ground Mounting System

Solar Panel Installation System is suitable for residential roofs and industrial and commercial roofs. The unique innovative hot-dip galvanized track, Z-type clamp and track connection technology make it no longer need to be processed on site, and can install solar panels quickly and conveniently. For the application of different types of roof, we have designed different hooks to make the track and roof installation more simple and quick: for tile roofs, stainless steel hooks can be used; for metal tile roofs, L feet can be used; for flat roofs, oblique supporting legs can be used. The mounting system can be parallel to the roof or form a certain angle with the roof.



Technical Parameters

Parameter	Value
Material	Carbon Steel & Aluminum Alloy
Wind Load	60m/s
Snow Load	1.4kn/m ²
Foundation	Concrete or Ground Screws
Module Orientation	Adjustable tilt angle

Advantages

-  Salt spray test 1000h
-  25-year lifespan
-  Earthquake resistance magnitude 7

Optional Basic Types



Roof Mounting: Metal Roof

SINOJ Solar Roof Mounting System is suitable for residential roofs and industrial and commercial roofs. The unique innovative hot-dip galvanized track, Z-type clamp and track connection technology make it no longer need to be processed on site, and can install solar panels quickly and conveniently. For the application of different types of roof, we have designed different hooks to make the installation of track and roof easier and faster: for example, stainless steel hooks for tile roofs, L feet for metal tile roofs, and oblique supporting legs for flat roofs. The mounting system can be parallel to the roof or form a certain angle with the roof.



Advantages

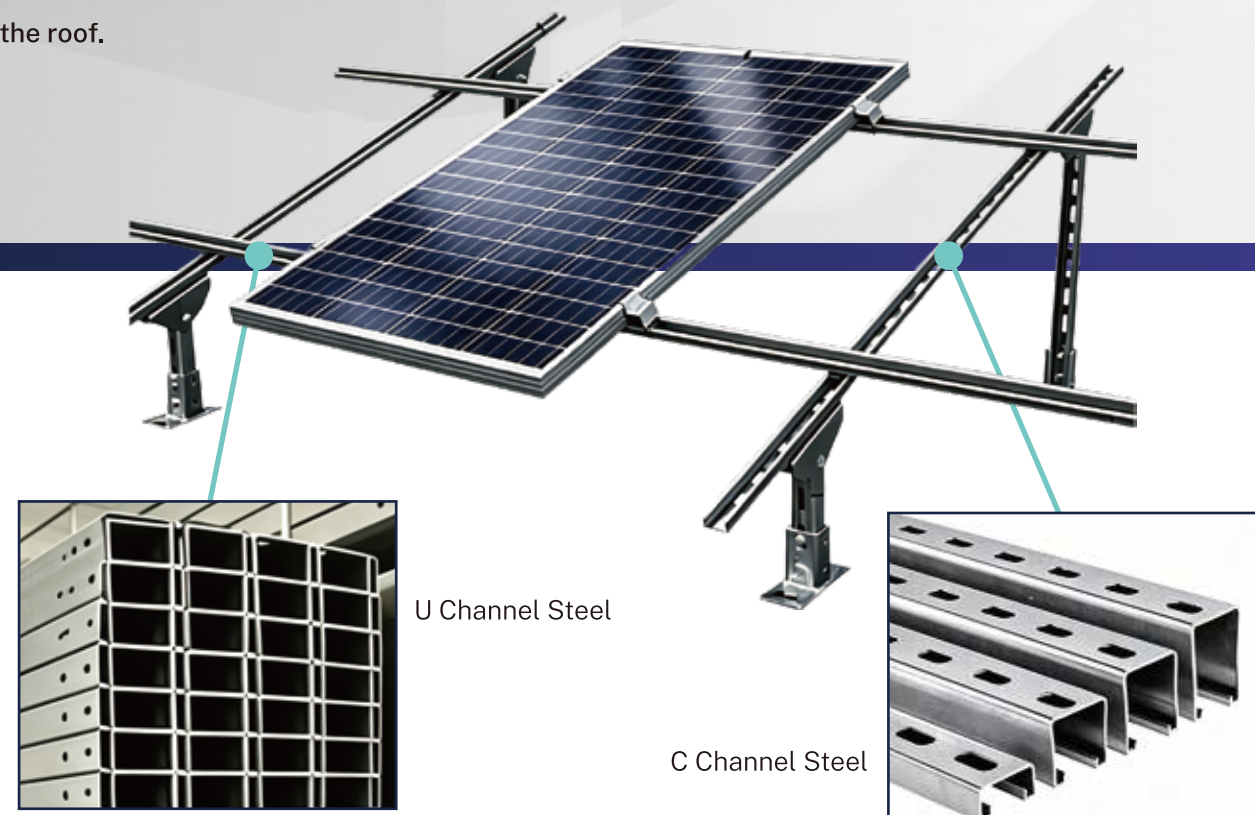
- Enables easy,fast and cost-effective installation
- Flexible post spacing withstands different wind&snow loads
- High quality material in Aluminum and SUS 304
- Highly corrosion resistant surface treatment
- Screws and nuts go with every componts needed
- Fasteners and rail nut fully configured to save extra parts purchasing
- Mechanical calculation and reliability tested to ensure highset product quality

Accessories

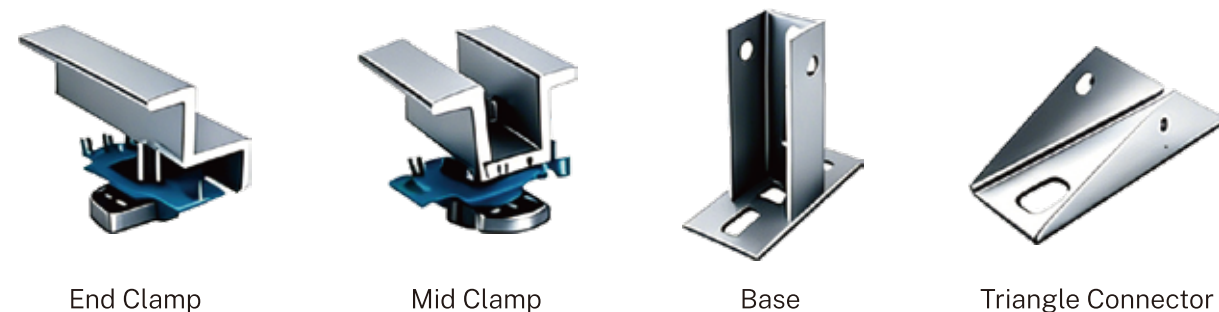


Roof Mounting: Flat Roof

Solar Panel Installation System is suitable for residential roofs and industrial and commercial roofs. The unique innovative hot-dip galvanized track, Z-type clamp and track connection technology make it no longer need to be processed on site, and can install solar panels quickly and conveniently. For the application of different types of roof, we have designed different hooks to make the track and roof installation more simple and quick: for tile roofs, stainless steel hooks can be used; for metal tile roofs, L feet can be used; for flat roofs, oblique supporting legs can be used. The mounting system can be parallel to the roof or form a certain angle with the roof.



Accessories



Roof Mounting: Tile Roof

SINOJ Solar Roof Mounting System is suitable for residential roofs and industrial and commercial roofs. The unique innovative hot-dip galvanized track, Z-type clamp and track connection technology make it no longer need to be processed on site, and can install solar panels quickly and conveniently. For the application of different types of roof, we have designed different hooks to make the installation of track and roof easier and faster: for example, stainless steel hooks for tile roofs, L feet for metal tile roofs, and oblique supporting legs for flat roofs. The mounting system can be parallel to the roof or form a certain angle with the roof.



Accessories





Single Cantilever

- Benefits: Wide-open view, easy in and out, no door or mirror blockage.
- Best for: Homes, small offices – those who want a clean, simple look and a great parking experience.



Double-Column

- Benefits: Very sturdy structure, high wind and snow resistance, easy EV charger installation.
- Best for: Large parking lots, coastal windy areas, sites requiring DC fast charging.



Solar Carport

SINOJ Photovoltaic carport system is a photovoltaic system combining with carport. Both for the vehicle shelter, but also to create a clean photovoltaic solar energy for electric vehicle charging, lighting and the grid. Subsystem built almost no geographical restrictions. Very flexible and convenient.

BIPV Carports

- Benefits: Seamless, flat surface as modern as a glass curtain wall, better waterproofing.
- Best for: High-end communities, commercial plazas, hotels – new projects where aesthetics matter.

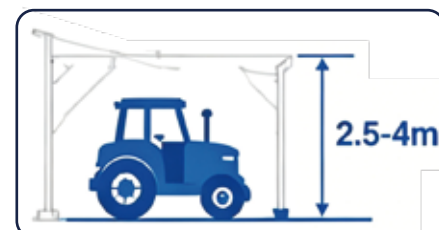
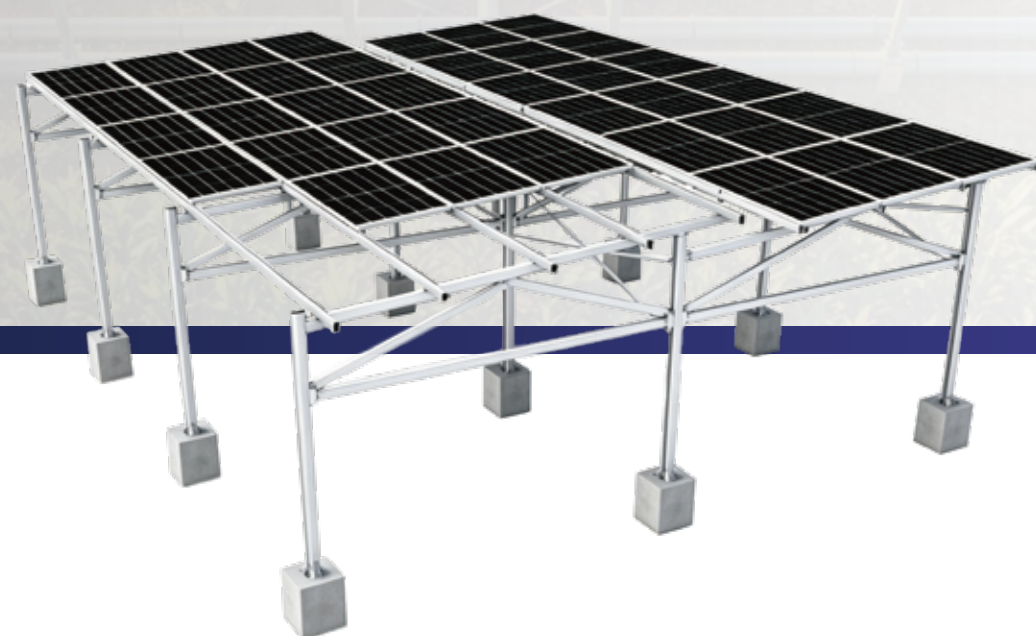


Waterproof Carports

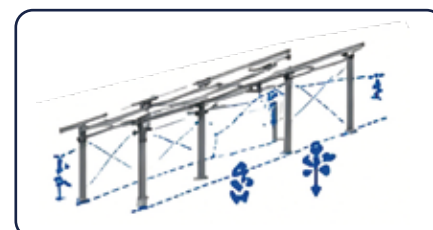


Agri-PV Solutions

Agrivoltaics integrates PV power generation with agricultural production by mounting solar panels above crops or livestock areas, enabling shared use of sunlight. It maintains agricultural output while generating clean energy revenue – an ideal synergy between rural revitalization and green energy.



High ground clearance for tractors and harvesters



Optimized panel spacing for crop light transmission



Robust steel structure wind-resistant

Application Scenarios



Cropland



Orchard



Livestock grazing

Fishery PV Solutions

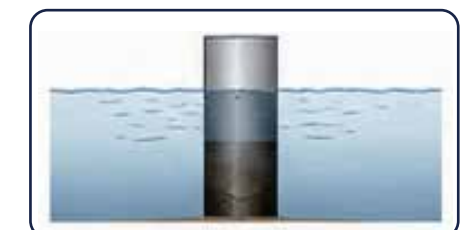
Aqua-PV integrates solar power generation with aquaculture by installing PV modules above reservoirs, fish ponds, or shrimp/crab farms – without altering the original farming function. The panels also provide shade, reduce water evaporation, and improve the aquatic environment.



Piles driven into waterbed for stability



Elevated clearance 1.5-3m for boat passage & fishing



Heavy anti-corrosion at waterline & splash zone

Application Scenarios



Inland Freshwater Fish Pond



Reservoir or Lake



Coastal Brackish Water

Solar Tracker

SINOJ solar tracking system uses smart drives to keep PV modules aligned with the sun's position in real time, ensuring optimal incident angle. Compared with fixed-tilt structures, it significantly increases energy yield – a core technology for large-scale ground power plants to improve efficiency and reduce LCOE.



SOLAR TRACKER CONTROLLER

Increase Power Generation by 15%-25%



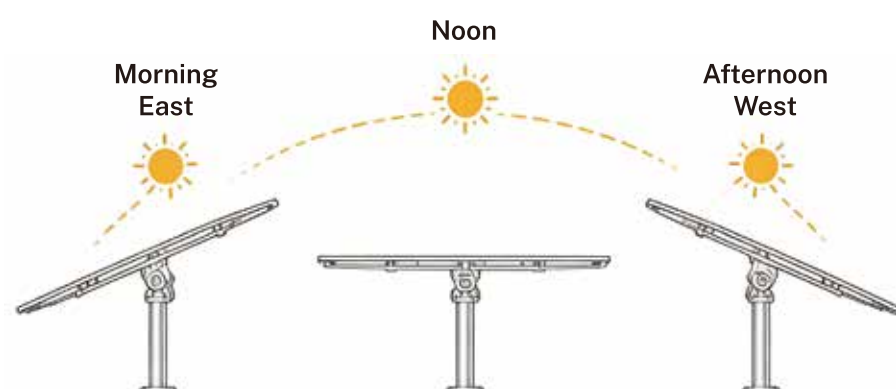
Autonomous backtracking



Cloud monitoring



Remote firmware upgrade



Application Scenarios



Flat Farmland (Agrivoltaic)



Rolling Hills (Terrain-Adaptive)



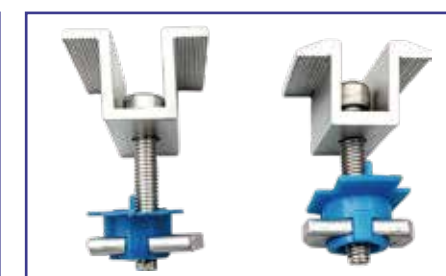
Desert (Dual-Axis Trackers)

Solar Accessories

Mounting accessories – including clamps, rails, end clamps/mid clamps, bolts, grounding components – are the critical links between PV modules, racks, and foundations. High-quality accessories ensure long-term stability under extreme conditions like wind, snow, and seismic events, safeguarding the safety and service life of your solar plant.



Rail



Mid Clamp



End Clamp



Roof Hook



Anchor Bolt



Water Channel

PV Mounting Steel Profiles

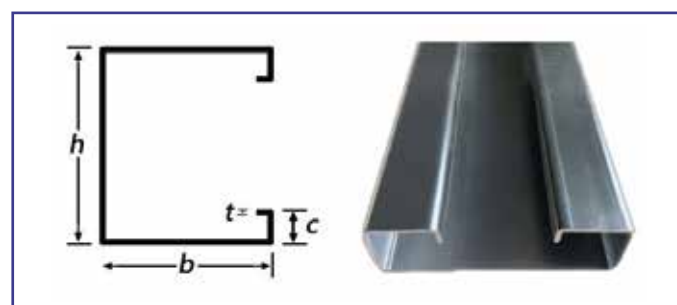
PV mounting steel profiles are cold-formed sections (C, U, Z, Omega shapes) designed specifically for solar racking systems. Compared with standard steel sections, they offer higher strength-to-weight ratios, better bending resistance, and pre-punched holes for faster installation.



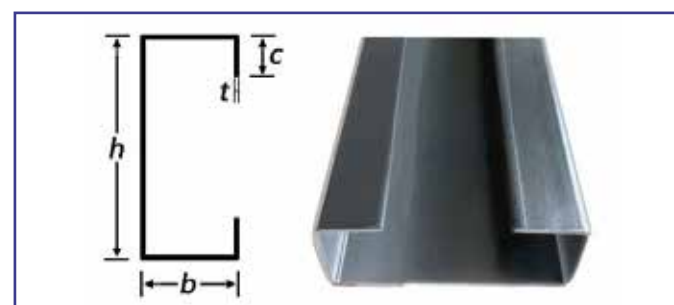
Technical Parameters

Parameter	Value
Material	Steel
Section Shape	C-shaped open with lips
Height Range	50-300 mm
Thickness Range	1.5-6.0 mm
Common Materials	Q235B, Q355B, S350GD

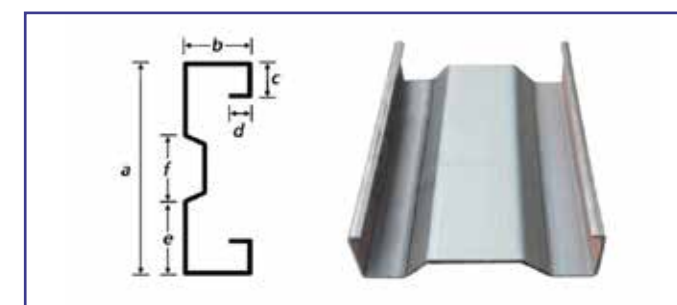
Parameter	Value
Surface Treatment	HDG / ZAM / Weathering steel
Typical Application	Roof/wall purlins, PV main beams
Trademark	SINOJ
Size	Customized
Place of Origin	Tianjin, China



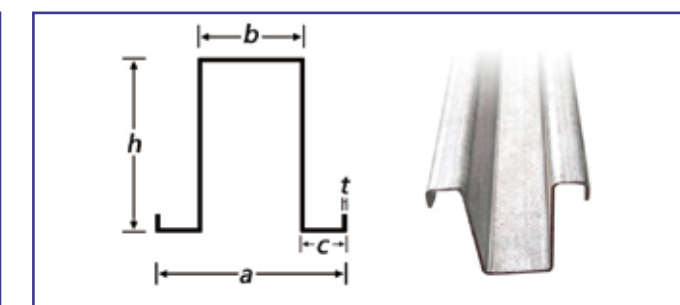
C Channel Steel



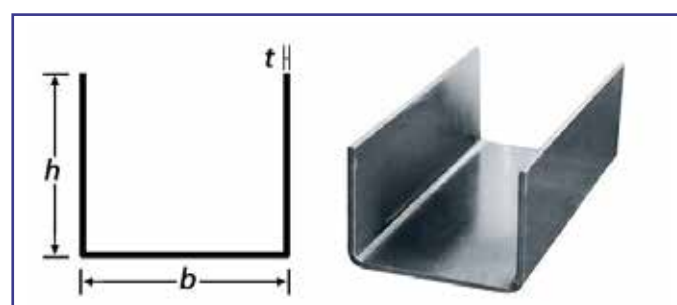
C Channel Steel



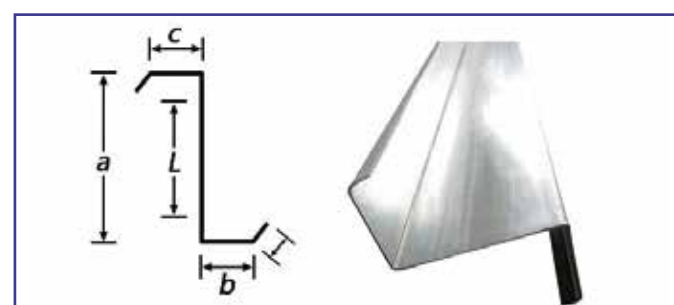
M Channel Steel



Omega Profile Steel



U Channel Steel



Z Profile Steel



I Channel Steel



Angle steel



Project Cases



500MW Ruoqiang County, Xinjiang



400MW Turpan, Xinjiang



200MW Sidu, Zhaoan, Fujian



180MW Daguan County, Yunnan



240MW International Trade Zone of Djibouti, Africa (Export)



200MW Zhaoan Sidu, Fujian



120MW Zhejiang Solarmont Trade Export to Japan Chushiki-kai (Japan)



100MW Ningde City, Fujian Province

Quality Control

Supports FOB/CIF/DDP terms, with delivery within 15 days, and offers DHL/sea/rail multi-channel transportation.



RAW MATERIALS

Select high-strength steel coils; test chemical & mechanical properties upon arrival.



PROCESSING

Processed through multiple steps, including forming, cutting, and drilling.



QUALITY INSPECTION

Each product undergoes multiple rounds of quality inspection to ensure quality.



PACKAGING

International standard packaging makes transportation more convenient.

Service

International standard packing for safe transport



Response Speed

One-on-one professional service available online 24 hours a day



Warranty Period

10-year structural warranty with a 25-year service life



Customized Services

Non-standard punching & special surface treatment options