

Solar Farm Grounding Solution | H Steel Mid Clamps (Aluminum)

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: XuanQing
- Model Number: Roof Clamp, carport clamp, ground brackets clamp
- Minimum Order Quantity: 500PCS
- Price: Negotiable
- Packaging Details: Carton Box
- Delivery Time: 10-15 work days
- Payment Terms: T/T
- Supply Ability: 3000000pcs/mon



Product Specification

- Warranty: 1 Year
- After-sale Service: Online Technical Support
- Project Solution Capability: Graphic Design, Cross Categories Consolidation
- Application: Apartment
- Design Style: Modern
- Type: Solar Panel Mounting Aluminum Rail Connector
- Highlight: Aluminum Frame Solar Panel Rail Clamps, PV Mounting Solar Panel Rail Clamps, Apartment Solar Rail Clamps



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Product Description

Solar Farm Grounding Solution | H Steel Mid Clamps (Aluminum)

Description

Optimize Grounding Integrity & System Longevity with Aluminum H Steel Mid Clamps
Specially designed for utility-scale solar farms, these aluminum H Steel Mid Clamps provide a robust, corrosion-resistant solution for securely bonding grounding conductors to H-pile foundations. Installed at the mid-point height of driven H-steel piles, these clamps ensure a low-resistance, permanent connection between the grounding wire (typically bare copper or GEC) and the structural steel pile, integrating it into the site's comprehensive grounding grid. By utilizing high-conductivity aluminum alloy and featuring either tin-plated copper or stainless steel hardware, these clamps deliver excellent electrical performance while resisting galvanic corrosion and harsh environmental conditions. Their heavy-duty, two-piece clamp design offers high mechanical strength and ensures a tight, vibration-resistant grip on the H-pile flange. These clamps are an essential component for meeting grounding safety standards (such as NEC, IEC, UL) and enhancing the lightning protection & fault current dissipation capability of large-scale solar installations, protecting equipment and personnel for decades.

Quick Details

Product Name: H Steel Mid Clamp (for Grounding Systems)
Material: High-Conductivity Aluminum Alloy (e.g., 6061-T6)
Application: Solar Farm Grounding - Connection to H-Piles (H-Beams)
Function: Bonds grounding conductor (bare copper/GEC) to pile & clamps pile at mid-height.
Installation: Mid-point (typ. 1-2 meters above grade) on driven H-piles.
Design: Heavy-duty Two-Piece Clamp Design.

Specification

Accessory Name	Function	Features
Rail	Support and fix solar panels	High strength and corrosion resistance.
Mid clamp	Connect and fix solar panels	Made of aluminum alloy, ensuring stability.
Solar clamp	Fix solar panels	High strength and corrosion resistance.
Connectors	Connect various components	Improve the stability and reliability of the solar mounting system.
Bases	Support the entire system	Made of aluminum alloy and corrosion-resistant.
Aluminum nuts	Fix various components	High strength and corrosion resistance.



Company Profile

Foshan Xuanqing Company is a company that specializes in manufacturing aluminum accessories for photovoltaic systems. It can customize molds for accessories such as mid clamps and side clamps. The company has a production base of 4500 square meters and a fully modern production line, including 13 automatic lines, 3 ordinary production lines, and 36 stamping equipment. It has strong production strength. At the same time, Xuanqing Company can conduct product design, sampling, and production according to customers' different needs and provided drawings and samples, meeting personalized product demands. It also has independent mold-opening capabilities with fast mold-opening speed, high mold-opening precision, and a short production cycle.



SOME HONORS



Packing & Delivery



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