



6063 Alloy Solar Mounting Rail Aluminum Extrusion Profile with Powder Coating and Customizable Dimensions

Our Product Introduction

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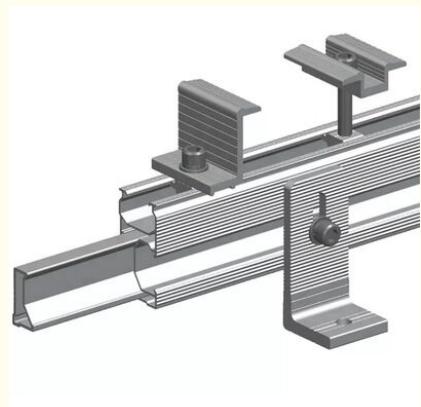
Basic Information

- Certification: ISO
- Minimum Order Quantity: 1,000
- Price: 2.35



Product Specification

- Aluminium Alloy: 6063/6061/6082/6005
- Temper: T4-T66
- Surface Treatment: Powder Coating, Anodizing, Sandblasting, Brushing, Passivation, Silk Screen, Mechanical/Chemical Polishing, Wood Grain Coated, Galvanise, PVDF
- Anodizing Colors: Silver, Champagne, Bronze, Black, K Gold, Gold, Imitating Steel
- Wood Imitation Colors: Normal Color, Special Color
- Fluorocarbon Coating: Normal Color, Special Color
- Tolerance Length: $\pm 0.2\text{mm}$
- Tolerance Hole: $\pm 0.05\text{mm}$
- MOQ: 2 Ton
- Extrusion Capacity: 350mm Max Outer Diameter
- Extrusion Press: 6800 Ton
- Max Profile Diameter: 600mm



More Images



Product Description

Solar Roof Mounting Rail Aluminum Extrusion Profile

High-quality aluminum extrusion profiles specifically designed for solar roof mounting systems, offering superior strength, durability, and corrosion resistance for renewable energy applications.

Item	Aluminum Extrusion Profile Solar Mounting Rail
Aluminium Alloy	6063/6061/6082/6005
Temper	T4-T66
Standard	GB/T3190-2008 Chinese Standard
Use Place	Outdoor, Indoor, Balcony
Surface Treatment	Powder Coating in RAL Color, Anodizing(AA10/15/20/25), Sandblasting, Brushing, Passivation, Silk screen, Mechanical/Chemical Polishing, Wood grain coated /Wooden transfer, Galvanise,(Nickel/Tin/Chrome/Copper) Plating, PVDF, Matt, etc.
Deep Processing Ability	Aluminium profile extruding, Precious milling, Cutting, Punching, Bending, Tapping, Drilling, CNC lathe etc. Tolerance: length can be ± 0.2 mm, hole can be ± 0.05 mm.
MOQ	2 ton
Packing	In general package: Shrink wrap, Plastic bag, Kraft paper, Paper wrap, Wooden pallet in extra charge etc.
Delivery	15-20 days after sample confirmed & down payment
Payment Term	T/T, 30% Advanced deposit, the balance paid off before loading, or consulting

Manufacturing Advantages

17+ Years Experience

Extensive expertise in aluminum extrusion manufacturing with long-term customer relationships in US and European markets.

Advanced Design & Manufacturing

Strong capabilities in design, extrusion, CNC machining, milling, and turning with fast production speeds.

Complete Processing Facilities

Comprehensive metal processing including laser cutting, CNC bending, welding, and stamping capabilities.

Quality Control

Rigorous process control ensures long-term stability and excellent product quality throughout manufacturing.

Technical Support Services

Custom design services for extruded profiles including CAD drawings and 3D models

Professional R&D team for design analysis and optimization to reduce costs and improve performance

One-stop service from product design to surface treatment with complete quality control

Factory Equipment Capabilities

Extrusion

44 aluminum extrusion lines with PLC control systems, including a 6800-ton extruder capable of producing profiles up to 600mm diameter for industrial applications including radiators, solar cell frames, and motor enclosures.

Anodizing

6 anodizing production lines creating uniform oxidation films in various colors including silver, black, gold, champagne, and imitation steel. Strict quality control ensures consistent color and performance.

Painting

4 powder spraying lines using Gema Switzerland nozzles with environmentally friendly, durable paints featuring strong adhesion and color retention.

CNC Machining

Advanced machining equipment including 12 PRATIC machining centers, automatic cutting machines, 30 punching machines, bending machines, and milling equipment for precise processing of complex profiles up to 6 meters.

Packing & Shipping

Strict warehouse management with manual packaging and thorough inspection before delivery to ensure product quality and integrity.

Certifications

Company History

- 2004 - Recognized Brand of Building Industry Material Market
- 2006 - Product Exemption from Quality Surveillance Inspection & ISO9001 Certification
- 2009 - Advanced Company, Jiangsu Famous Brand, Credible Product of Quality
- 2012 - Established business relationships with Panasonic and LG
- 2015 - Innovative producer and supplying partner for European clients
- 2017 - Developed new baseboard heater products
- 2019 - Supplier for world's largest heater manufacturers
- 2023 - Expanding overseas distributor network for market growth

Notable Projects

Soccer City Stadium, Johannesburg

Main aluminum supplier for Africa's largest capacity stadium (94,000 seats), contributing to this major South African infrastructure project.

Lobster Trailers Partnership

Collaboration with Nordic trailer giant featuring design optimization and precision manufacturing to minimize costs and enhance product performance.

School Furniture Project

Supplied aluminum legs for school desks, supporting local customer Dadn's successful bid for educational infrastructure projects.



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