



SUNRAIL™ - PV RACKING SYSTEMS: PENETRATING ROOF MOUNT



The SunRail™ system is a custom-designed and versatile PV racking system with components engineered for maximum flexibility in order to meet the most challenging PV mounting solutions. The aluminum extrusion alloy components make the system stronger and more durable. Using minimal parts, reduced labor expenses and the versatility to accommodate a wide range of modules, the system is one of the fastest, easiest and most cost-effective solutions on the market today. The SunRail™ penetrating racking system is designed and engineered for residential applications providing a penetrating mounting option.

PENETRATING ROOF MOUNT SYSTEM

The versatile penetrating system provides components engineered for maximum flexibility to meet the most challenging PV mounting solutions. The system is an ideal solution for mounting on roofs with pitch as the design accommodates a range of degrees of module tilt, allowing maximum power production.

The SunRail™ extrusion components are made in the USA of high quality anodized aluminum.

SUNRAIL™ KEY BENEFITS

- Fewer parts to install and fewer tools required
- Installs in half the time of other racking systems
- Accommodates the majority of PV modules
- Designed to meet weight, height, and wind conditions per ASCE 7-10
- Price per watt designed to be competitively priced
- Made in America





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TECHNICAL SPECIFICATIONS

MATERIALS

Fastening elements: Stainless steel
Profiles (rails): Anodized Aluminum alloy
High life-expectancy, high residual value, no disposal costs
For additional information, refer to individual components data sheet

LOGISTICS

Quick, simple and fast mounting capabilities

CONSTRUCTION & MECHANICAL

Standard flush mount installation on any pitched roofs
Simple adjustment options for tilt configurations
Pre-engineered kits and customer tailored construction options

GROUNDING

Multiple UL listed grounding options available

OPTIONAL ELECTRICAL ACCESSORIES

Components for potential equalization/grounding
Cable channels, cable ducts, wire management optimized

CALCULATIONS

Individual system design calculations based on regional load values and specific project requirements
100% code compliant designs for any locality
Structural PE, stamped drawings and calculations
Design loads according to IBC 2006 or 2009
Designed to meet weight, height, and wind conditions per ASCE 7-10
Verification of all construction components based on FEA-calculation

AVAILABLE SERVICES

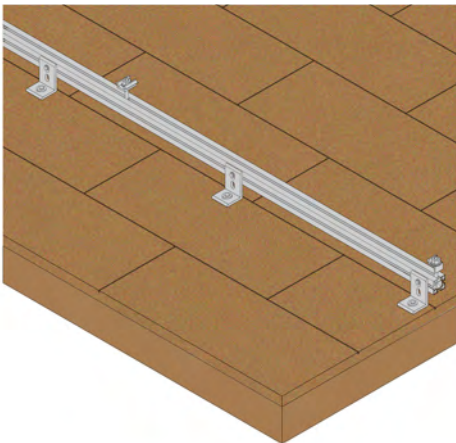
Roof structure investigation and analysis
Complete installation services
EPC services

WARRANTY

10-year limited warranty

STANDARD RACKING TYPES

Shingle



Metal



Tile

