



## 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

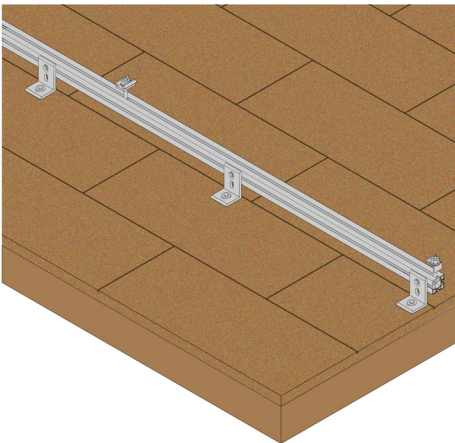
Roof structure investigation and analysis  
Complete installation services  
EPC services

#### WARRANTY

10-year limited warranty

### STANDARD RACKING TYPES

Shingle



Metal



Tile

