



# POWER RAIL™ P6

Light Weight PV Mounting System



-  COMMUNICATIONS
-  ENERGY
-  SPECIAL INDUSTRIES
-  SOLAR

 **POWER-FAB®**  
Quality Hardware for the PV Industry



## POWER RAIL™ P6 Solar Mounting System



Lightweight PV module mounting system engineered to reduce installation costs and provide maximum strength for parallel-to-roof or tilt up mounting applications.

The Power Rail P6 top-clamping mounting system is designed with the professional PV solar installer in mind. The lightweight rail utilizes a single tool top-clamping system with a revolutionary RAD™ Fastener for faster bolt placement. The unique shape of the RAD provides an anti-rotation feature, locking the bolt in the

proper orientation when installed. The high strength rigid rail also includes an integral wiring channel for securing cables and providing a professional finish. The system includes all the mounting options from the Power Rail family, designed for secure and water tight attachments to any roof style.



### Features

#### High Strength Reliable Design

- Engineered rail profile for maximum strength to weight ratio
- Structural Aluminum rigid rail construction
- High Strength stainless steel module clamps and hardware

#### Flexible Mounting Options

- Height adjustable "L" mounting feet
- Tilt Legs up to 25 degrees
- Solid Aluminum Power Post™ stanchions
- Easy Feet™ attachment anywhere on metal or composite roof decking
- PV Flashing hardware

#### Reduced Installation Time and Costs

- Single Tool Assembly – all 5/16" hardware
- RAD Fastener for quick bolt placements
- Top-Clamping design for easier access
- Integral Wiring Channel for securing cables
- Standard lengths up to 27 feet eliminate costly rail splices
- Snap-In WEEB Integral module grounding option



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## Standard Rail Lengths

Part #	Length
P6-84	84"
P6-126	126"
P6-162	162"
P6-204	204"
P6-240	240"
P6-282	282"
P6-324	324"

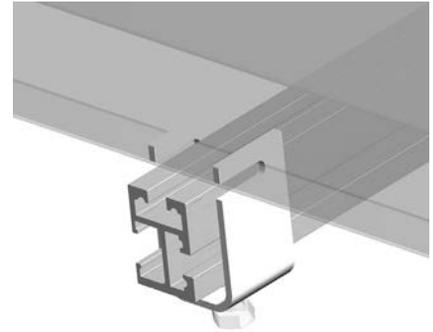


Power Rail – P6 Extrusion



## Universal End Clamp

- Simply slides under rail and clamps module flange
- Secures any framed PV module
- Improved aesthetics allows module frame to be placed flush with rail end
- High strength stainless steel construction

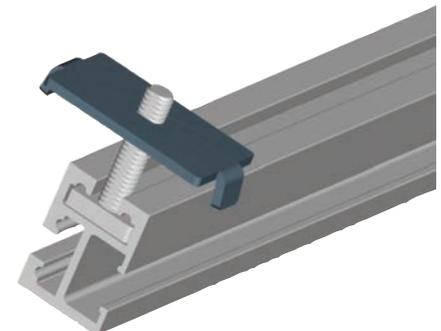


Universal End Clamp



## RAD™ Fastener

- Random Access “D” shaped bolt
- Twist in anywhere along rail channel – avoid sliding bolts
- Flat surface provides visual indicator of bolt orientation
- “D” hole on mating part locks bolt from rotating



RAD Fastener with SS mid clamp locked in place

Refer to Power Rail P6 Catalog for all mounting and clamping options.

## Wind Loading – P6 Rail Span and Cantilever Distances (inches)

	SPAN/C'VER	SNOW LOAD (PSF)										
		0	10	20	30	40	50	60	70	80	90	100
WIND SPEED (MPH)	90C	72/36	60/32	54/26	48/24	43/21	40/20	36/18	33/16	31/15	29/14	28/14
	100C	60/32	58/28	48/24	46/23	42/21	38/19	36/18	33/16	31/15	29/14	28/14
	110C	58/28	54/26	48/24	44/22	40/20	37/18	35/17	33/16	31/15	29/14	28/14
	120C	54/26	54/26	46/23	42/21	39/19	36/18	34/17	32/16	31/15	29/14	28/14
	130C	48/24	48/24	44/22	40/20	37/18	35/17	33/16	32/16	30/15	29/14	28/14

Exposure C Category

Please refer to design guidelines and ASCE requirements for more information.



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SL-SS-1071  
07.2012

