

## CentroRack™ PV Roof Mounting System

### German Engineered and Manufactured

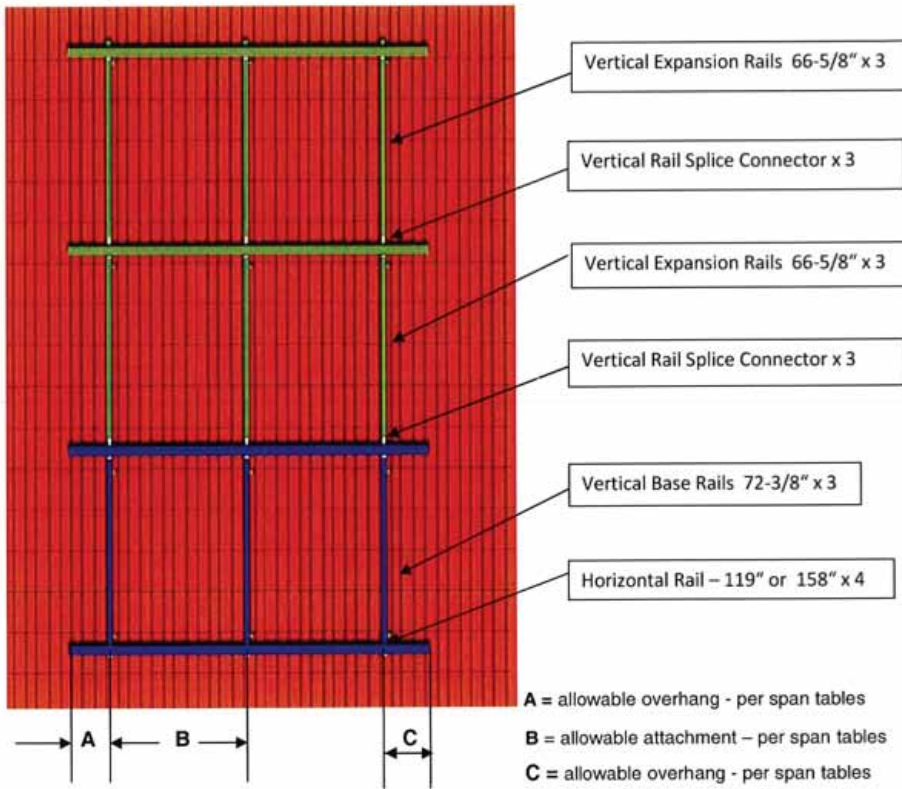
CentroRack is a shared-rail mounting system for Centrosolar C-Series modules that provides an aesthetically pleasing low profile PV array installation. CentroRack allows PV modules to be quickly slipped into place. No clamps, torque wrenches or special tools are required which saves time and money. The rugged extruded aluminum structural rails are engineered to span up to 8 feet to minimize roof attachments to reduce the cost of accessory flashings, fasteners and labor by as much as 25%. Because of this feature CentroRack is the preferred mounting system for tile roof PV installations throughout Europe.

The CentroRack PV roof mounting system is engineered to quickly install on most U.S. roof types and designs. The CentroRack system utilizes an innovative vertical and horizontal rail construction allowing for a fully adjustable layout so that installers can quickly plan rail locations with less concern for tile size, spacing, or direction. Rail lengths are available for module groups of 2, 3 or 4 in portrait so there is no need to trim excess rail eliminates sawing. Landscape layouts are straightforward with this roof mounting system.



### CentroRack Features

- Aluminum and black anodized corrosion resistant structural aluminum extrusions for strength, durability and aesthetics, includes black rail finishing end-caps
- Stainless steel Tee bolts captivate into continuous slots for one-hand tool assembly
- 8-foot rail spans wind rated to 100mph exposure B
- 4-foot rail spans-support wind loads to 140mph exposure B
- Supplied with bronze L-feet for universal mounting
- Quick-spacing template for horizontal rails included
- Suitable for any roof type with appropriate flashings
- Rails use grounding types with lugs and/or washers
- Slide in place PV installation no fasteners, top-clamps or special tools, speeds installation by additional 25%
- Quick Splice bars with Tee bolts connect rails together end-to-end with grounding washers
- Clamping jaws with Tee bolts fasten rails together – one hand tool assembly.

**Typical Layout on Roof – (three rows shown)**


Tables represent single L foot with 2-bolt standoff post and flashing

**Two-Bolt Post attachment, 15-27 Degrees, Category B**

Wind Speed MPH, Category B exp. Roof Zone 1	Attachment Span (inches)	Ground Snow Load (PSF)				
	Max Horiz. Rail Cantilever	0	10	20	30	40
90	120	120	80	48	32	
	48	46	38	26	20	
100	96	96	80	48	32	
	46	44	38	26	20	
110	72	72	72	48	32	
	37	37	37	26	20	
120	64	64	64	48	32	
	30	31	31	26	20	
130	48	48	48	48	32	
	26	26	26	26	20	
140	48	48	48	48	32	
	27	22	22	26	20	
150	32	32	32	32	32	
	19	19	19	19	19	

**Two-Bolt Post attachment, 28-45 Degrees, Category B**

Wind Speed MPH, Category B exp. Roof Zone 1	Attachment Span (inches)	Ground Snow Load (PSF)				
	Max Horiz. Rail Cantilever	0	10	20	30	40
90	96	80	48	32	24	
	48	43	24	17	13	
100	96	80	48	32	24	
	44	43	24	17	13	
110	72	72	48	32	24	
	35	35	24	17	13	
120	64	64	48	32	24	
	29	29	24	17	13	
130	48	48	48	32	24	
	25	25	24	17	13	
140	48	48	48	32	24	
	21	21	21	17	13	
150	32	32	32	32	24	
	18	18	18	17	13	