IRONRIDGE
Solar Mounting Made Simple.

Roof Mounting Sys

Inspections Division
Date: 12/29/15

The IronRidge (rail based) Roof Mount System is a reliable, comprehensive and feature rich photovoltaic mounting solution. Anchored by IronRidge Standard or IronRidge Light rails, our Roof Mount platform includes every component necessary for supporting virtually any commercial or residential roof mount installation, regardless of roof type or pitch. With this system, you will leave behind a professional installation, everytime, backed by a 20 year manufacturing warranty on every IronRidge part.

Key Features

- Longest Spans In The Industry Means Fewest Required Attachment Points
- Fewest Attachment Points Reduce Total Installed Costs And Liability
- Unique Curved Profile Of The Standard Rail Increases Strength And Enhances Aesthetic Design
- Fully Integrated with the IronRidge Design Assistant™
- Backed By Industry Leading Warranty 20 yr. Limited Product, 3 yr. Finish
- PE Certified For Most States
- Universal Clamping Components Work With Most Solar Module Brands
- Versatile Design Allows For Use In Ground Mount, Roof Mount, or Large Array Applications
- Best Customer Service And Support

IronRidge Standard Rails Less Material, Faster Install, Minimized Risk of Leaks

Engineered for longer spans = fewer attachments & penetrations

Other rails = Longer install time and greater risk of leaks

IronRidge Standard Rail

- Engineered profile allows for spans over 12'
- Cantilever can be 40% of span length
- Attractive structural design, ideal for residential and commercial applications

IronRidge Light Rail

- Light, cost effective rail system supports spans over 7'
- Cantilever can be 40% of span length

Splices (Internal)

- Can be installed at same location as an attachment
- Does not require additional attachments to support the splice

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Maximum Span Chart:	IronRidge Standard Rail								IronRidge Light Rail				
Wind Speed	Snow Loads												
	0 psf	10 psf	20 psf	30 psf	40 psf	50 psf	60 psf	70 psf	0 psf	10 psf	20 psf	30 psf	40 psf
90 mph	147”	123”	103”	94”	83”	75”	69”	64”	88”	75”	63”	59”	52”
100 mph	147”	123“	103“	94”	83”	75”	69”	64”	88”	75”	63”	59”	52”
110 mph	147”	123”	103”	94”	83”	75”	69”	64”	88”	75”	63”	59”	52”
120 mph	147”	123“	103“	94”	83”	75”	69”	64”	88”	75”	63”	59”	52”
130 mph	138”	123”	103”	94”	83”	75”	69”	64”	81”	75”	63”	59”	52”
140 mph	129”	120”	101”	94”	83”	75”	69”	64”	75“	73”	62”	58”	52”
150 mph	120”	117”	99”	93”	83”	75”	69”	64”	70”	70”	61”	57”	52”

Roof Zone 1, Flush Mount Only
Roof slope = 7 to 27 deg.
Exposure category B
Module length = 67.5”

Building mean roof height = 30’
Clearance between roof and rail: 2”
End Cant Span: 0.40 x adjacent interior span
No rail splices in end spans.

No rail splices in middle 1/3 of interior span.
Single simple span(s). Tabulated values may be increased for multiple continuous spans.*

*For more information visit ironridge.com to download certification letters, installation guides, and use our Design Assistant software.

Attachments

- Adjustable L feet (4 pack kits)
- Adjustable tilt leg kits (5° to 45°)
- Flush mount aluminum standoffs (3”, 4”, 6”, 7”)
- Tilt mount aluminum standoffs (3.75”, 7”, 9”)

Clamps

- Panel Sizes 1.22” to 2.30”
- Mid clamps (require only 1/4” between panels)
- Mid clamps available in hex or t-bolt
- All hardware stainless steel

End Caps

Protect against debris while providing a finished look for both standard and light rails

Wire Clips

Accommodate up to eight 6mm panel wires or an Enphase wire harness

Why IronRidge?

Experience - Designing/manufacturing solar mounting products since 1996

Single Source - Roof mounts, ballasted mounts, ground and pole mounts; *a solution for your specific application*

Customer Satisfaction - Customer service and technical support to help you succeed

On-line Resources Available:

- Online Design Assistant™
- 360 Interactive Environments
- Engineering Design Guides
- Product Certifications
- Installation Guides
- Reseller Locator

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