



XR Ground Mount System IronRidge

What are ironridge XR rails?

XR Rails are the structural backbone of IronRidge pitched, flat and ground-based arrays. Their signature curve helps them to resist uplift, protect against buckling and safely and efficiently transfer loads into the building structure.

What makes the ironridge XR flush mount system unique?

Built for solar's toughest roofs. Every component in the IronRidge XR Flush Mount System has been tested to the limit and proven in extreme environments: rain, wind and snow. Our rigorous approach has led to unique structural features, such as curved rails, universal fastening objects, innovative tile attachments and reinforced flashings.

What type of pipe does ironridge use?

Locally-sourced 2" or 3" Schedule 40 Grade B pipe and mechanical tubing help you save on freight, while still spanning up to 18' between vertical piers. This custom component is required to connect the IronRidge Ground Mount foundation pipe to the ground screw.

What are XR rails?

XR Rails are the backbone of the solar array. Their unique curved profile increases structural strength and spanning capability, allowing for fewer roof penetrations and more cost-effective system designs. XR Rail are available in three targeted sizes: XR10, XR100 & XR1000. Each size supports specific design loads, while minimizing material costs.

How many modules can XR1000 rail support?

The unique spanning capabilities of XR1000 rail support up to 5 modules per column in landscape orientation. All components for the rail assembly are available in clear or black finishes, and clamps are available in a range of sizes to match all common module frames.

What is the FlashFoot2 XR rail attachment?

The FlashFoot2 is an all-in-one roof attachment for mounting XR Rails to composition shingle roofs. Its integrated design incorporates both structural and waterproofing features into a single assembly. The Stopper Sleeve snaps onto the IronRidge UFO to transform it into an end clamp.

This certification-track course is the first step in becoming an IronRidge Certified Installer and should be completed prior to attending a hands-on training event. ... This certification-track course goes over the basics of solar and how to install ...

The components that make up an IronRidge solar racking system: from XR Rails, to attachments, to optional accessories to complete your array. ... Ground Based. XR Ground Mount System; Documentation; Design



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Tools. IRONRIDGE. Atlas for Pitched Roof ... structural attachments for the rack mounting system, structural performance of roof attachments ...

The IronRidge Ground Mount System supports wide adjustment of tilt angle, foundation size and depth, and module size. These variables can be quickly optimized for cost and performance using the online Design Assistant tool. One of the most critical engineering variables is the array size. For example, using 5-high columns in landscape significantly

A complete Guide to engineering and designing with the IronRidge Ground Mount System. Engineering Design Guide Table of Contents Introduction 1 System Overview Technical Specifications 2 Assembled View System Parts ... IronRidge Wire Clips snap into the top slot of XR Rails, and accommodate up to ten 5mm panel wires, or one MC4, one Enphase wire

A complete guide to engineering and designing with the IronRidge XR Rail based Roof Mount System. Engineering Design Guide Table of Contents Overview 1 Introduction Technical Specifications 2 Assembled Views System Parts ... Ground system using the rail's top slot. o No clips or washers o Eliminates pre-drilling o Easy top-slot mounting ...

Founded in 1996, IronRidge is the #1 mounting system used by solar professionals nationwide. Every 2 minutes, IronRidge is installed on a roof. With nearly 500,000 installations across the country, IronRidge mounts have endured some of the most extreme weather events in history.

Ground Based. XR Ground Mount System; Documentation; Design Tools. IRONRIDGE. Atlas for Pitched Roof; Pitched Roof ; Attached Flat Roof; Ballasted Flat Roof; Ground-Based; QUICKMOUNT. ... All IronRidge's Systems have been listed to UL 2703, the standard for evaluating solar mounting systems. This ensures they maintain strong electrical and ...

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IronRidge offers two "full stack" flush mount systems for pitched roof applications: the Aire System and XR System. Each includes clamps, rails, and an array of attachments that will enable installers to securely mount arrays on composition shingle, tile, slate, and shaker shingle roofs.

Product markings are located on the system's Rail Connectors. UL 2703 LISTeD Conforms to STD UL 2703 Standard for Safety First edition: Mounting Systems, Mounting Devices, Clamping/ Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels

Ground Based. XR Ground Mount System; Documentation; Design Tools. IRONRIDGE. Atlas for Pitched



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Roof; ... performance during exposure to fire, structural attachments for the rack mounting system, structural performance of roof attachments for above roof mounting of photovoltaic (PV) modules and panels, and the mechanical and structural ...

Ground Based. XR Ground Mount System; Documentation; Design Tools. IRONRIDGE. Atlas for Pitched Roof; Pitched Roof ; ... and Ground Mount. Many courses also provide NABCEP CE"s. Browse Courses. ... please contact IronRidge Tech Support at 1-800-227-9523 ext 1 or email support@ironridge . CLOSE

All-Terrain Mounting The IronRidge®; Ground Mount System combines our XR100®; or XR1000®; rails with locally-sourced steel pipes or mechanical tubing, to create a cost-effective structure capable of handling any site or terrain challenge. Installation is simple with only a few structural components and no drilling, welding, or heavy machinery ...

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The rigorous evaluation process for Florida Product Approval includes testing for resistance to high wind forces (TAS 202) and wind-driven rain [TAS 100(A)]. There is ongoing auditing of quality assurance programs as well. The approval also lists allowable rail spans for installing array configurations using either XR10, XR100, or XR1000 mounting rails and various ...

Trust your system at every angle. Build strong and efficient solar arrays on flat roofs. IronRidge®; Tilt Mount supports a wide range of solar panel tilting angles, while also resisting the extreme wind and snow forces experienced over a building's lifetime. The Tilt Mount System is listed to UL 2703, and compatible with most roof anchor ...

The components that make up an IronRidge solar racking system: from XR Rails, to attachments, to optional accessories to complete your array. ... Flash and mount XR Rails®; on asphalt comp shingle roofs with superior waterproofing. The twist-on cap eases installation. ... Ground Based: Racking: IronRidge: Conduit Mount

QRail®; Tilt System. The QRail®; Tilt System allows installation of a fixed-tilt system on a variety of low slope commercial and residential roof types. The system utilizes the QBase®; Mount, which can be attached directly to the deck or to a structural member. The QRail®; Tilt system's mounting height off the deck allows access to the roof ...

The IronRidge Tilt Mount System supports a wide range of solar module tilting angles, while also resisting the extreme wind and snow forces experienced over a building's lifetime. Every component has been carefully engineered and rigorously tested, and the entire system uses only



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directly to IronRidge's XR Rails. All system types that feature the UFO family--Flush Mount, Tilt Mount and Ground Mount--are fully listed to the UL 2703 standard. UFO hardware forms secure electrical bonds with both the module and the rail, resulting in many parallel grounding paths throughout the system. This leads to safer and ...

This certification-track course is the first step in becoming an IronRidge Certified Installer and should be completed prior to attending a hands-on training event. ... This certification-track course goes over the basics of solar and how to install a XR Ground Mount System and using ground screws. Duration: 01:11. 1 NABCEP CEUs. [View Course.](#)

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