



Designed for Canada



SolarTerrace III-A

A versatile fixed-tilt ground-mount solar racking system designed to suit challenging Canadian environments and soil conditions Last



 **SOLAR TERRACE**

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SolarTerrace III-A

A universal and earthed ground mount frame designed for corrosive environments and challenging soil conditions

Manufactured from high-quality structural-grade anodized aluminum, the PVezRack® SolarTerrace III-A (ST III-A) is the ideal mounting solution for locations across the vast Canadian landscape. The support legs, complete with girder caps, can be installed using helical piles, concrete ballast or other pre-engineered foundations suited to local soil conditions. Its user-friendly prefabrication simplifies installation, making it practical for both commercial projects and residential installations.

Key Benefits

Preassembled Support Legs

The support legs of the ST III-A are fully preassembled. They only need to be unfolded and secured to the foundation. This design saves valuable time in assembly and logistics, making it one of the fastest systems on the market.

Engineered for Canada

The ST III-A is designed to withstand Canada's diverse climate conditions, ensuring reliable performance in extreme temperatures and heavy snow loads. Its adaptable support legs can be installed with concrete ballast or screw pile, making it suitable for challenging soil conditions across the country. The standardised supports for Canada are designed at 30° and 45° and can accommodate panels up to 2400mm, subject to panel clamping zones.

Durable in Harsh Environments

The ST III-A is constructed from 6005 aluminum alloy with 304 stainless steel fasteners (316 stainless steel available upon request), making it ideal for the toughest environments, including corrosive sites near coastlines.

Full Grounding Function

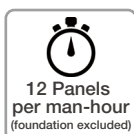
The ST III-A features a UL-compliant grounding system. With pre-fitted pressure bolts and star washers in the preassembled supports, it ensures earthing continuity from the T-Rail to the support, providing a fully grounded system. Furthermore, the grounded Akashi module clamps, which can be used as mid or end clamps for panel frame heights of 30-46mm, make installations and logistics easier.

Technical Details

Configuration	Preassembled and modular;
Tilt Angle	Standard 30° and 45° tilt with customized options available
Tilt Mechanism	Fixed
Base Compatibility	Concrete ballast footings and screw piles
East West Slope Tolerance	3° as standard and up to 30° with E-W adapters
Material	Main Structure: AL6005-T5 Fasteners: SUS304 or SUS316

Commercial

Residential



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ER-R-T110

T-Rail 110

The rail profile has been specifically developed to achieve larger spans reducing the number of legs to be installed. These have a Z-Module channel for panel mounting and are secured with the Rail Clamps to the support legs.



ER-RC-T/G

Rail Clamp for T-Rail with grounding /earthing pins

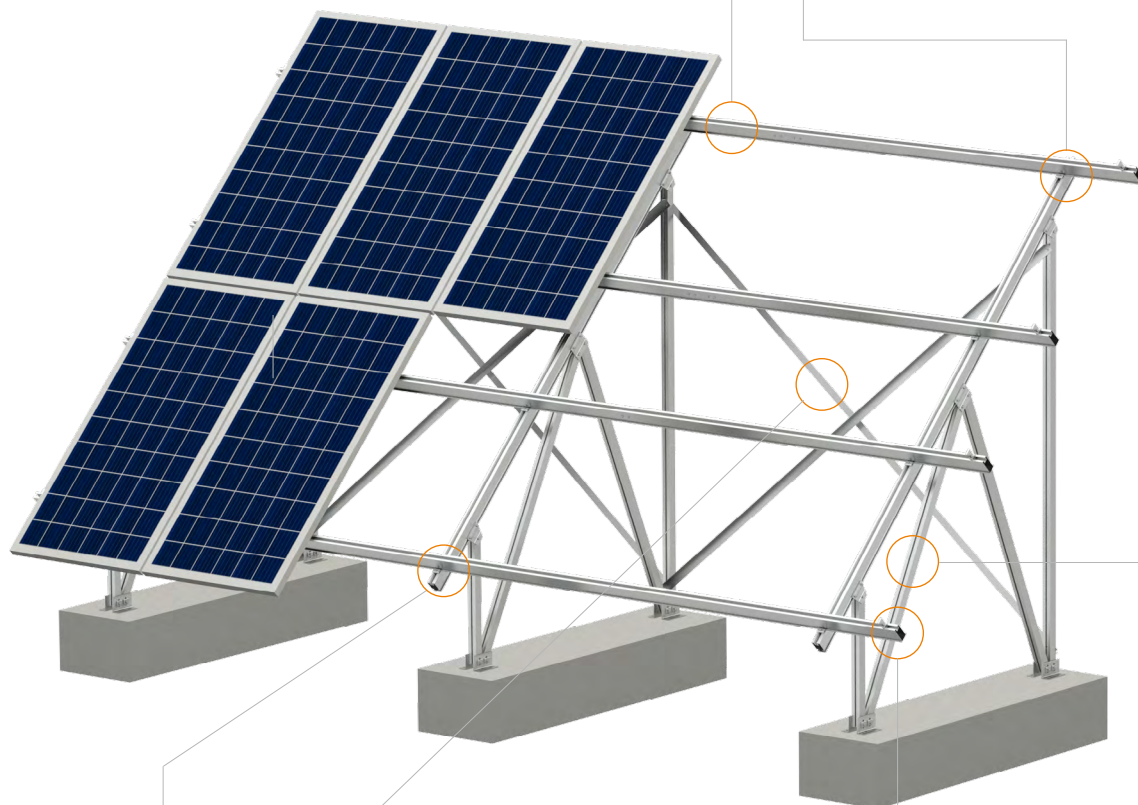
Rail-Clamps establish a secure connection between support legs and rails with our patented Z-Module technology. Available with grounding pins for earthing.



ER-S-STIIIA

Support

The ST III-A supports are completely pre-assembled, they only need to be unfolded and secured to the foundation. The anodised aluminium alloy profiles are connected with stainless steel fasteners. Furthermore through this new design the legs can be adjusted vertically by 50mm allowing for adjustments in case the foundation requires it.



BR-R110/EW/G (optional)

East/West Adjustable Bracket for T-Rail 110 with grounding

The East/West Adjustable Bracket is specially designed for the projects installed in sloped areas and can significantly reduce the installation accuracy along east-west direction.



ER-AA-50/4250

Angle AL

The Angle AL as a reinforcement to make the system suitable for even harsh environments.



Akashi Clamp

C-U/30/46

PVezRack® Akashi Clamp, with dual functionality (inter and end clamp), is applicable with most common framed PV modules from 30 mm to 46mm in height. Inbuilt grounding clip is also available.

Available accessories

Cable clips
Cable trays
Inverter/joint box bracket
Rail and girder caps

Materials

AL6005-T5 | SUS304

Contact us or one of our qualified resellers for a personalised quotation today.



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