



Securing a Brighter Future

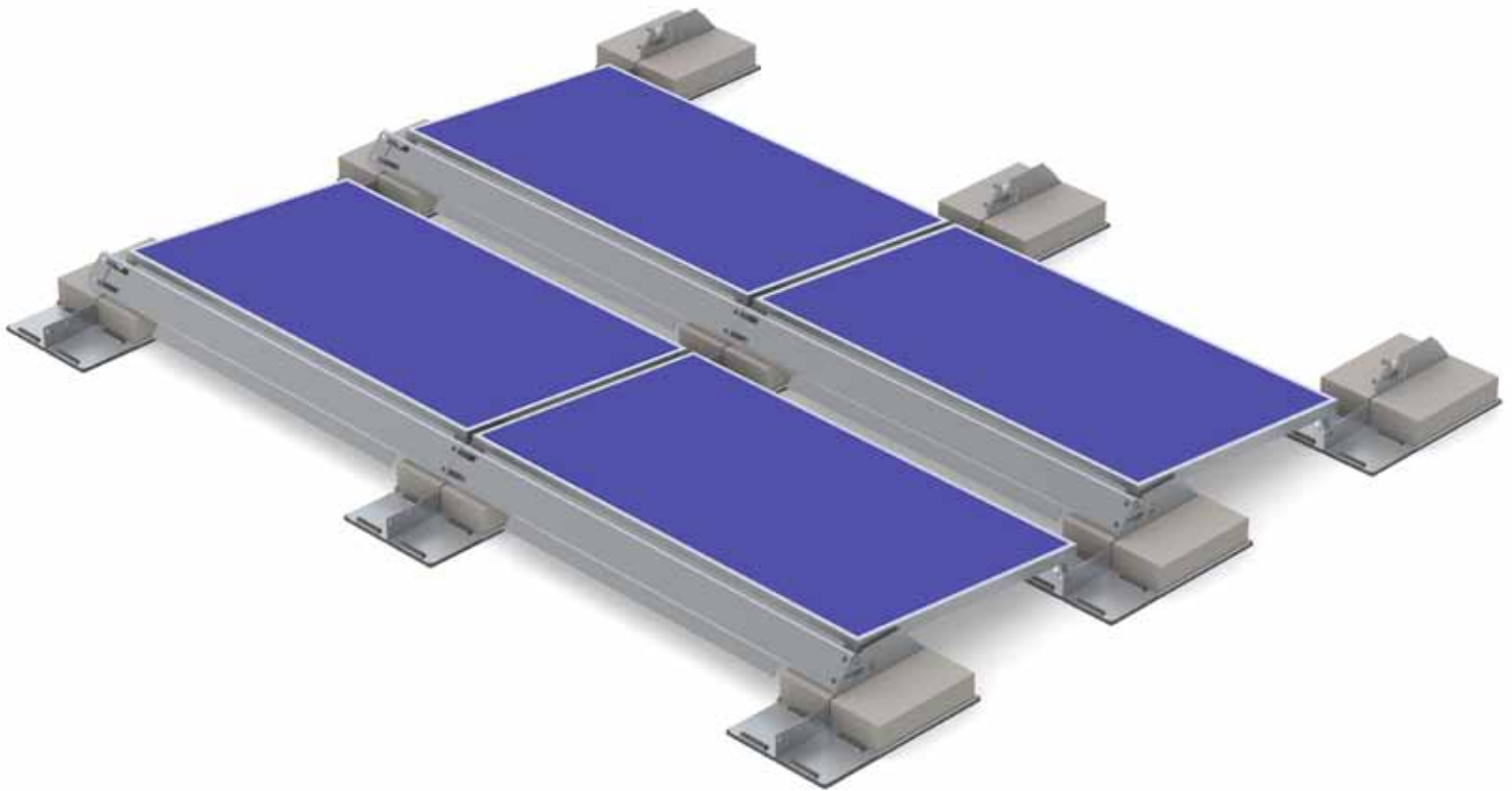
LOWEST LIFE-CYCLE COST

CUTTING-EDGE ENGINEERING

WORLD-CLASS SERVICE

ENVIRONMENTALLY FRIENDLY

Polar Bear FR *Gen II - 5 Degree*



POLAR BEAR[®] FR *Gen II* *5 Degree*

PanelClaw was founded with a single mission: to develop a new generation of efficient mounting systems for photovoltaic modules, making solar energy an increasingly accessible, cost-effective, and environmentally responsible solution.



Securing a Brighter Future

Polar Bear *Gen II* 5 Degree Flat Roof Mounting System

Polar Bear FR *Gen II* - 5 Degree is a next generation flexible ballast mounting solution for commercial flat roofs. Its innovative 3 component design and factory-integrated features enable integrators to overcome installation challenges and deliver lower life-cycle costs.

3 Polar Bear Components

Support

- Universal, module-independent design
- Inter-row spacing flexibility for optimal array design
- Multiple mounting holes for wavy roof friendliness
- Integrated recycled rubber roof protection pad for rapid installation
- Multi-purpose tab for enhanced wire management or integrated electrical ground lug (when necessary)
- Integrated PEM studs for easy wind deflector installation
- Stainless steel fastener kit with just two nut and bolt sizes
- Mechanical attachment option
- Available in aluminum or G90 steel

Wind Deflector

- A-thermalized design for enhanced roof protection
- Chamfered edges and light weight construction facilitate easy handling and safe installation
- Available in aluminum or G90 steel

Claw

- Universal to all PanelClaw mounting systems
- UL 2703 certified for electric bonding and grounding
- Factory-installed module-mounting stainless steel screw
- Serrated design to increase clamping power
- UL and ETL tested to 1703 by major module vendors



Application

Flat Roof
(max slope 5 degrees)

Installation Speed

160-180 modules per day
(3 person crew)

Module Tilt Angle

4.5-6 degrees
(dependent on module width)

Module Orientation

Landscape

Basic Wind Speed

Up to 120 mph (193 km/h)

Wind Exposure Category

B and C (D upon request)

Array Platform Load

~3-6 psf (~14-29 kg/m²)
(racking, ballast and modules)

Building Height

Up to 60 feet (18.3 meters)
(custom upon request)

Standard Warranty

10 years

FOR PRODUCT AND SALES INFORMATION, CONTACT:

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