

Polar Bear

Flat Roof Mounting Solution

3 COMPONENTS | 2 NUTS + BOLTS



Superior Design Flexibility

The Polar Bear® flat roof mounting system is an innovative, comprehensive racking solution. The system's simple, three-component design and smart ballasting methodology deliver exceptional value in the commercial flat roof market. Its advanced roof protection features ease structural engineering and roofing manufacturer approvals. Layout, tilt angle, system weight, and material versatility make Polar Bear a great fit for a wide variety of roof top designs.

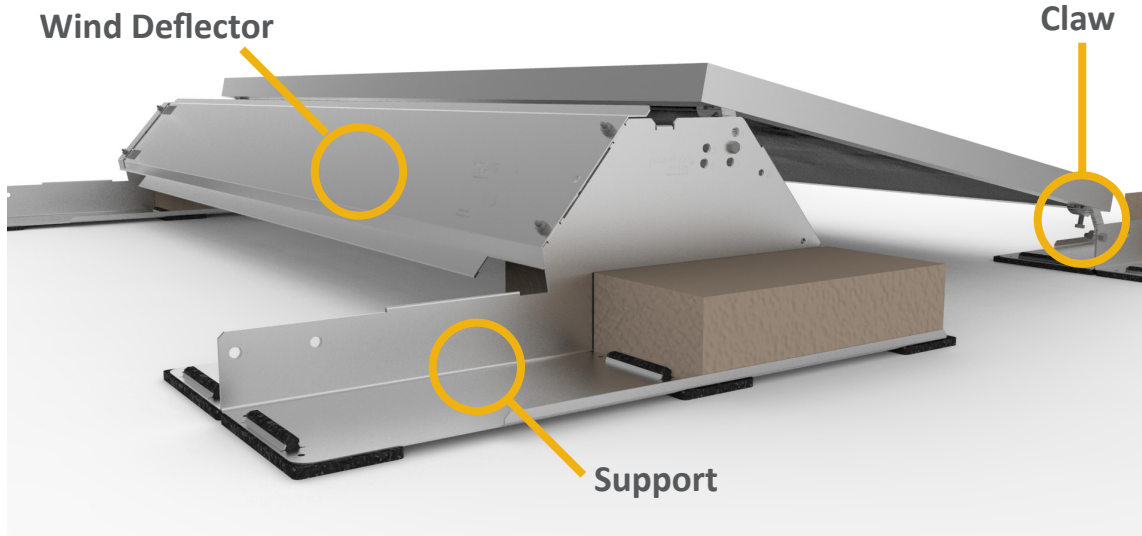
PanelClaw delivers mounting and balance-of-system solutions to accelerate the adoption of photovoltaics worldwide.



Polar Bear Flat Roof Mounting Solution 5 and 10 Degree



3 COMPONENTS | 2 NUTS + BOLTS



Specifications

Application

Flat Roof
(max slope 5 degrees)

Installation Speed

~160-180 modules per
day (3-person crew)

Module Tilt Angle

5 and 10 degree

Module Orientation

Landscape

Basic Wind Speed

Up to 120 MPH
(193 km/h)

Wind Exposure Category

B, C, and D

Array Platform Load

~2.5-9 PSF (racking,
ballast, and modules)

Building Height

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

Standard Warranty

10 years

Labor Saving Features

The simplicity of Polar Bear saves time and reduces overall installation costs. Its design uses just three major components and two nut and bolt sizes to simplify on-roof quality control, lower assembly risk and facilitate installation. The mounting system drastically reduces grounding costs with its UL-certified module attachment Claw.

Ideal System Layout

Polar Bear's single module layout flexibility and available mechanical attachment option enable full utilization of available roof top space. The system provides multiple tilt angles and inter-row spacing options to deliver the optimal PV array design tailored to your requirements.

Three Components

Support

- Flexible ballast
- Integrated recycled rubber roof protection pads for rapid installation
- Mechanical attachment option
- Multi-purpose tab and extra holes for enhanced wire management
- Available in aluminum or G90 steel

Wind Deflector

- A-thermalized design that prevents accumulation of thermal forces
- Chamfered edges and light-weight construction facilitate easy handling and safe installation
- Available in aluminum or G90 steel

Claw

- Factory-installed stainless steel screw to attach Claw to Module
- UL 2703 certified for electric bonding and grounding

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