



ESSENTIALS
smart consulting

Polar Bear East/West Universal

Flat Roof (FR) Mounting System



One, Two... Ready

We took a deep dive and maintained all features and advantages from the reliable PolarBear East West System to create a new, optimized System. By bringing out the new Universal supports we combined the unique PolarBear features with a more efficient way to install your PV East West system on the roof. Quick installation, just a few parts and all technical advantages gives you a competitive edge!

The Universal high support is pre assembled , the Universal Low Support has two identical parts that you just slide together, both are 100% compatible with all other existing system parts - you can combine and match as your PV system requires!

We can cover any ballast option and deliver MADE IN GERMANY quality - the PolarBear Universal gives you a major upgrade in competitiveness!

We took all our technical advantages and system parts and combined them into a new development!!



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panel
claw

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The product with system



Roof Protection

Polar Bear East West offers you the best roof protection available:

For every roof Membrane we deliver pre installed, matching protection pads, minimizing friction coefficients and Ballast requirements thus maximizing roof protection.

Our documented aerodynamic advantage and system construction also gives you the benefit of free water flow in the roof, resulting in an unrestricted drainage everywhere. Only a few system parts guarantee a fast and easy installation and should it be necessary roof access at any point!

Quick & Easy Installation

- Only three components
- Easy set up and handling of the supports
- Pre installed, matching protection pads
- All system parts are matching
- You need help? No problem - we are always available to offer help and solutions!

#worldclassservice

Polar Bear East/West Universal

Facts

Application

Flat Roof standard 5° slope - above on special request)

Condition

All available roof membranes, cradle or cobble stones, Green Roofs

Module Tilt Angle

10° - mounting on the underside flange of the module frame

System Configuration

Aerodynamic System, no mechanical attachment needed, Ballast calculation through wind tunnel data

Wind Tunnel Data

IFI Institut, Aachen/Germany

Ballast

Ballst Calculation according to wind tunnel data and depending on location, building parameters and roof condition

Layout and Calculation

All available informations will be delivered

Material

G90 galvanized steel - MADE IN GERMANY

Installations Speed

Fastest available system!

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SYSTEM: Parts and specifications

East West Universal High Support*

Pre assembled and pre installed protection pad
2 mounting options** - up to 8 Ballast Stones***



East West Universal Low Support

Two identical Parts with preinstalled protection pads,
2 mounting options** - up to 6 Ballast Stones***



Polar Bear Standard Claw

Aluminum Claw with pre installed M10 A2 Stainless Steel nut
Attached to the underside flange of the module frame (4 per Module)



System Options for higher Ballast Requirements

Polar Bear East/West high support*

2 mounting Options** - up to 16 Ballast Stones***



Polar Bear East/West low support*

2 mounting Options** - up to 8 Ballast Stones***



Polar Bear Low Support Extended

2 mounting Options** - up to 12 Ballast Stones***



Polar Bear East/West High Support Extended

2 mounting Options** - up to 36 Ballast Stones***



Polar Bear East/West Pads*

Matching Roof Membrane and pre installed



*All Polar Bear East/West Supports will be delivered with pre defined, matching Protection pads

** Mounting options are specified in your layout

*** Ballast Stones (not include in delivery package) 200x100x80 a 3,5 KG nach DIN en 1338