

Polar Bear PV Mounting System 2025

Essentials GmbH & Co KG
Grafenberger Allee 190
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Polar Bear 2 South System

since 2008 – copied but never matched

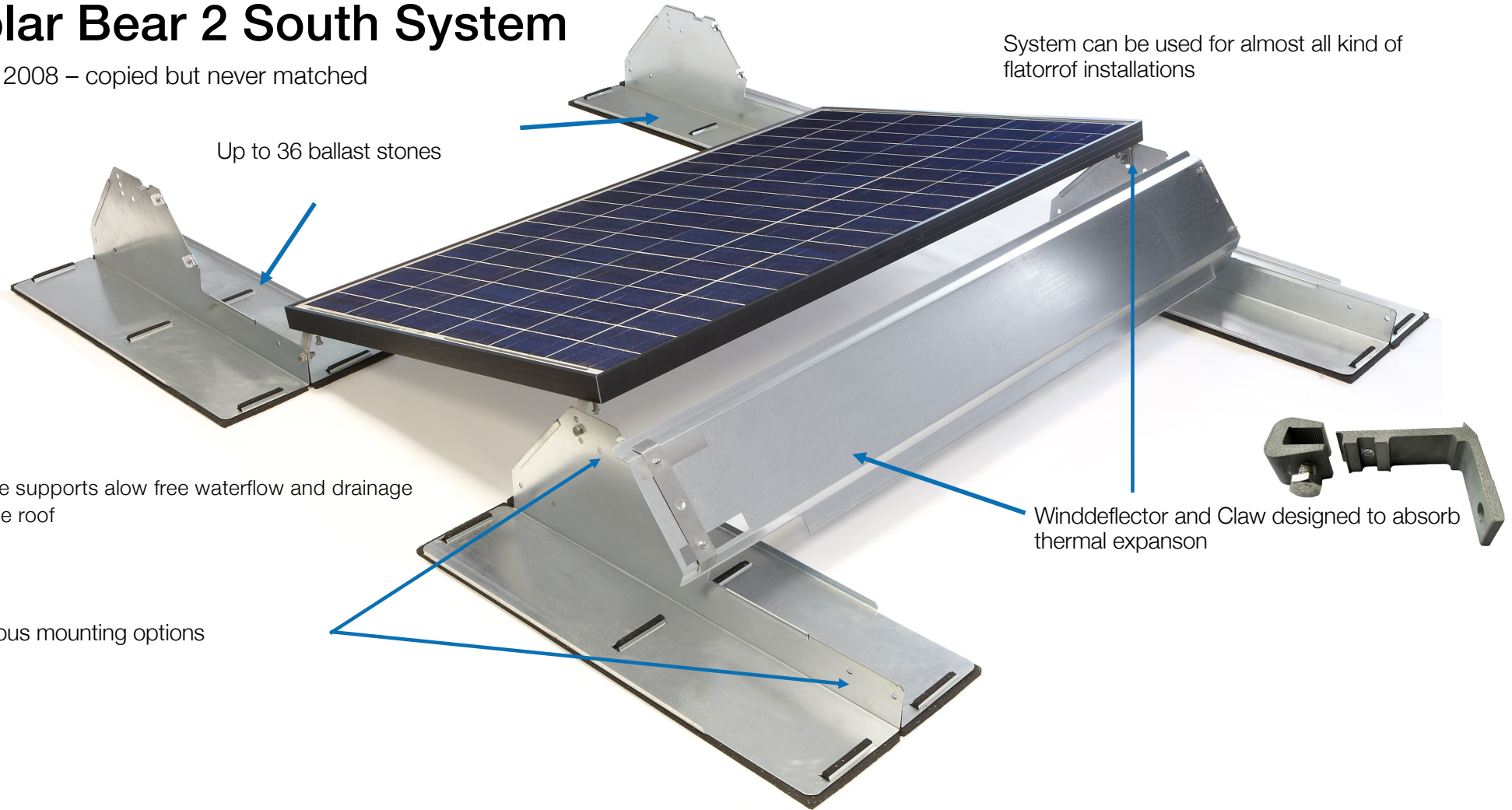
System can be used for almost all kind of flat roof installations

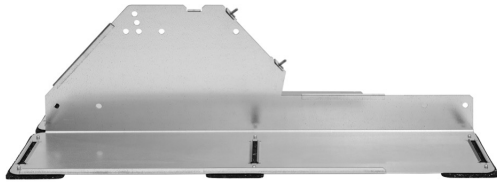
Up to 36 ballast stones

Single supports allow free waterflow and drainage on the roof

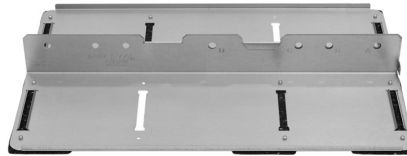
Various mounting options

Winddeflector and Claw designed to absorb thermal expansion





Polar Bear South Support



Polar Bear Low extended Support



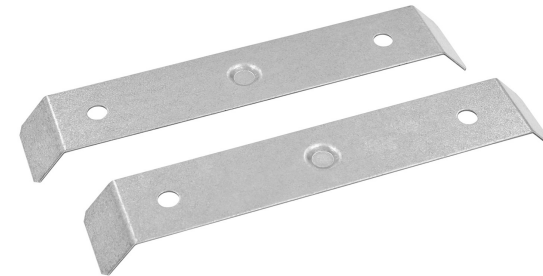
Polar Bear Deflector



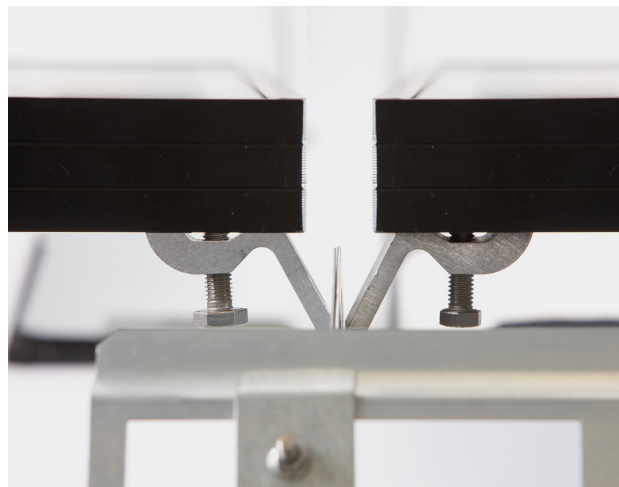
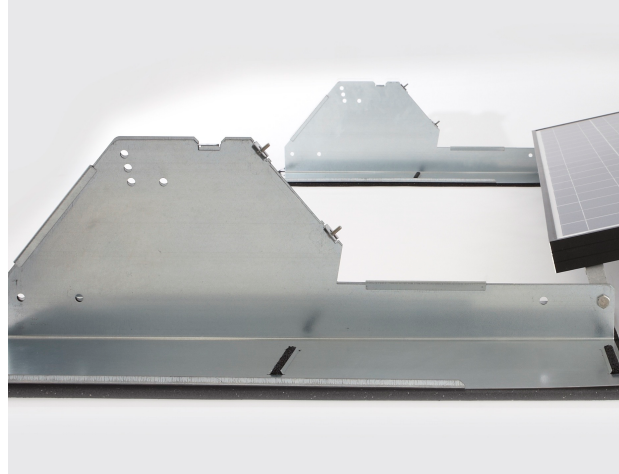
Polar Bear Multi Piece Claw



Nuts and bolts



Polar Bear Endplates

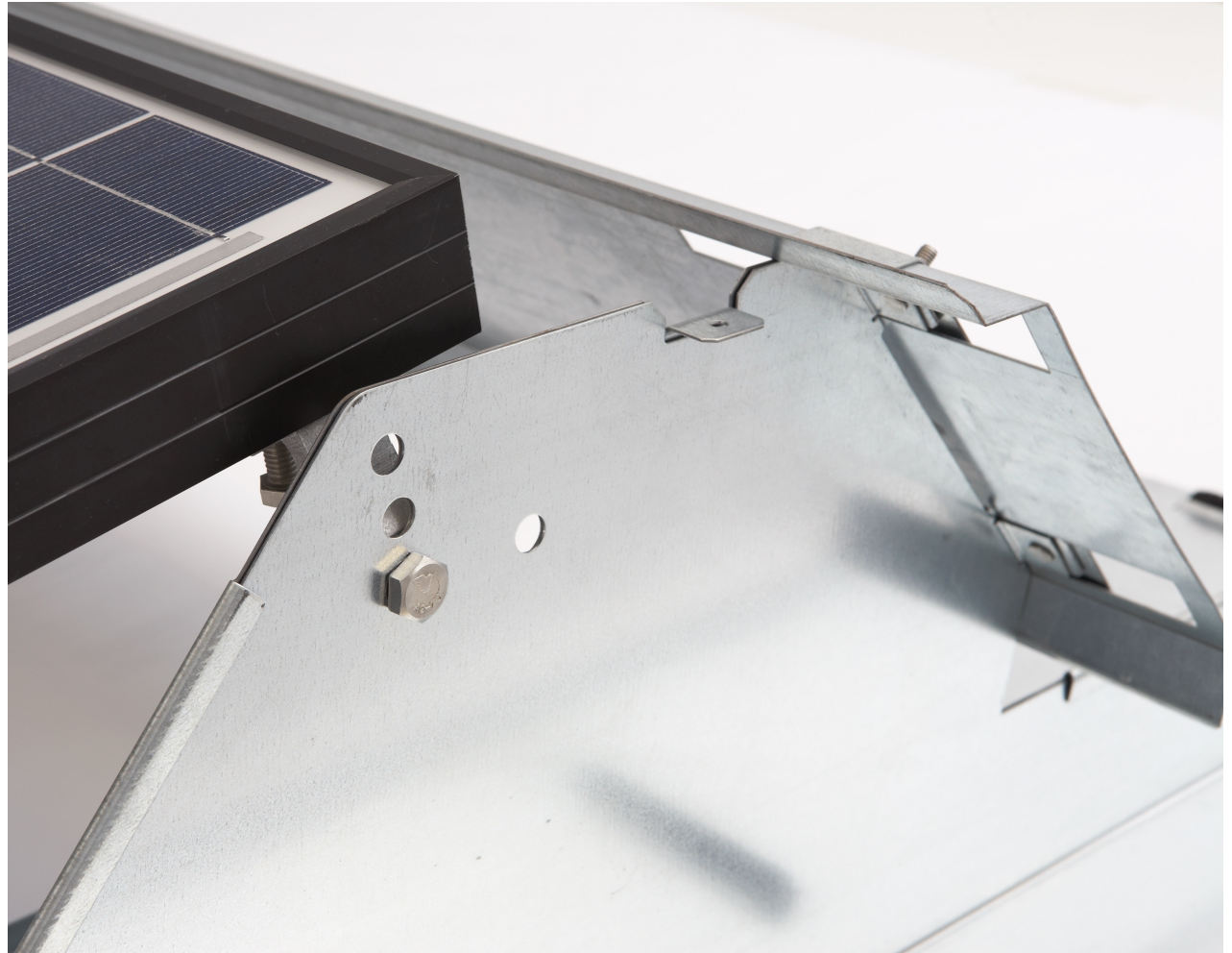


Polar Bear 2 South

- **Complex Engineering** stands for an easy system
- **Only three parts** needed ensure highest installation speed
- **We consistently work that our system** is always up to the highest and newest standards
- **World Class Service** – we support you everywhere and anytime to ensure your project success

We work for you!

- **On the safe side** your project layout is individually processed which makes sure that all standards are met and project safety is ensured
- We deliver all project data needed
- We coordinate transport and delivery
- We support you on side



Advantage Polar Bear

- **World wide action:** we have installed everywhere in the world and look back on 15 years experience in flatroof installations!
- **First supplier with sinlge support system ensuring free water flow and drained on the roof**
- **Compensation of thermal expansion** – reduces tension and movement in the system, allows for larger arrays and better aerodynamic results and less ballast without sacrificing saftey
- Every part of the roof can be accessed without removing the PV installation
- **High flexibility** within the system allow your layout to accommodate for every roof challenge – and if it's different on the roof we will support our right away. With our sytem changes are no challenge for you
- Our certified roof protection pads are approved by every major membrane supplier and make sure your instalation meets every requirement
- Inepentend third party testing of all system parts
- Only a few parts allow for rapid installation