



GOODWE

SOLARISE YOUR DRIVE

Polaris Series

BMT-P2/132A | 540W

Ideal for Carport/Sun Shed/ Flat-to-pitched Conversion

The GoodWe Polaris Series is designed to meet the needs of a variety of different applications. Whether installing it on a carport, flat-to-pitched roof conversion or sun shed, the Polaris Series is adaptable and versatile. One of the standout features of the Polaris Series is its laminated safety glass (VSG) and bifacial design, which improves impact resistance and power generation. Additionally, the modular installation technology and integrated drainage structure make it incredibly easy to install, saving time and hassle. The Polaris Series also offers comprehensive performance advantages in safety, applicability, durability, economy, and environmental friendliness.



High Impact Resistance

- Wind-resistant design
- Laminated Safety Glass (VSG)
- Maximum static load on the front $\geq 5400\text{Pa}$



Integrated Diverse Applications

- Carport
- Flat-to-pitched roof conversion
- Sun shed



Fast Installation

- Modular design, easy to replace
- Structured integrated drainage

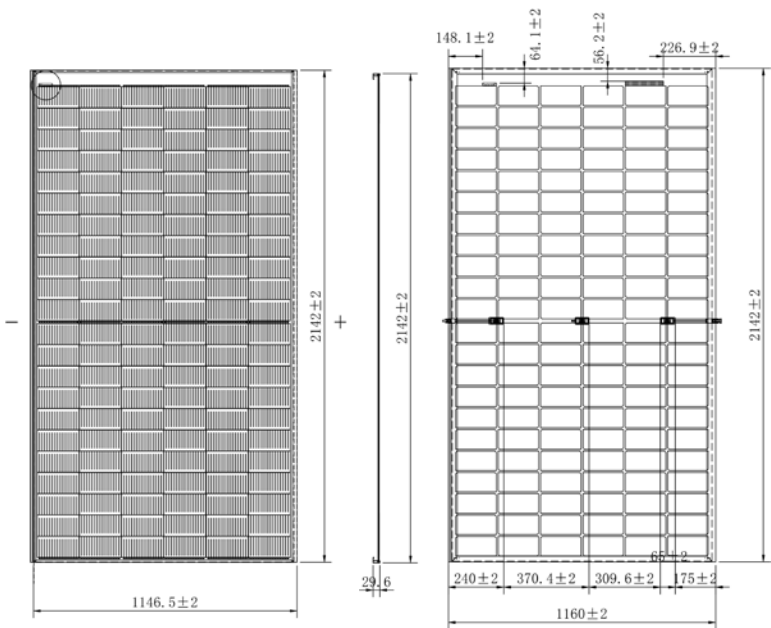


Flat End frame at bottom Edge

- High Aesthetics
- Prevent Dust Accumulation
- Excellent Self-cleaning Ability



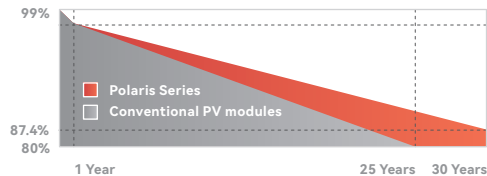
This module has passed the Hail Class 3 test.



BMT-P2/132A

30-year power generation performance guarantee

- ✓ 12-year product warranty
- ✓ 1% degradation in the first year
- ✓ 0.4% decay per year
- ✓ 30-year power guarantee



Structural Data

BMT-P2/132A (Hoop)

Size	2142±2*1160±2*29.6±1mm
Weight	30.1±0.5kg
Cable	4 mm ²
Cell Type	N-Type TOPCon Half Cells (132pcs)
Glass	2 + 2mm Tempered Glass Classified as Laminated Safety Glass (VSG)

Electrical Data (STC)

Power (W)	540W
Efficiency (%)	21.73%
Power/m ² (W/m ²)	217W/m ²
Voltage at Max Power (Vmpp)	41.70V
Voltage at Open Circuit (Voc)	48.43V
Current at Max Power (Impp)	12.95A
Current at Short Circuit (Isc)	13.65A

Load Capacity

Max Front Side Static Load	5400Pa
Max Rear Side Static Load	2400Pa
Residual Load	Verified residual load bearing capacity >17 hours at 130kg load post-breakage.

Working Parameters

Maximum System Voltage	1500V
Maximum Fuse Rating Operation	25A
Temperature Range	-40°C ~+70°C
The Rated Operating Temperature	45±2°C
Bifaciality Coefficients	$\phi_{Voc}=99\pm1\%$ $\phi_{Isc}=80\pm5\%$ $\phi_{Pmax}=80\pm5\%$
Fire-resistant Class	A
Protection Class	II
Hail Test	Hail: 25mm, 23m/s; Soft Body Impact: Passed DIN EN 12600 (50kg Pendulum)

Temperature Parameters

Isc TP	+0.03%/°C
Voc TP	-0.27%/°C
Pmpp TP	-0.30%/°C



PV Charging Carport With Storage



Flat-to-pitched Roof Conversion



Sun Shed