Polaris Series

BMT-P2/132A | 525W | BMT-P2/144A | 580W

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 double-glass 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
- Double-glass design
- Maximum static load on the front ≥ 5400Pa

Integrated Diverse Applications

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

Fast Installation

- Modular design, easy to replace
- Structured integrated drainage

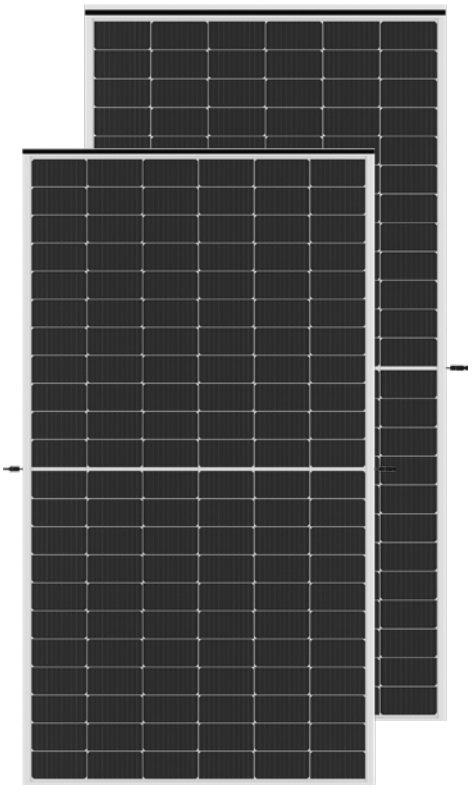
High Power Generation

- High-efficiency TOPCon Cells
- Bifacial PV products

IEC 61215 IEC 61730

POLARIS Series

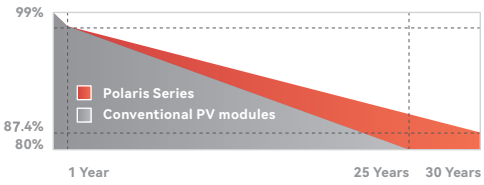
GOODWE



BMT-P2/132A BMT-P2/144A

30-year power generation performance guarantee

- 12-year product warranty
- 1% degradation in the first year
- 0.4% decay per year



Structural Data	BMT-P2/132A (Hoop)	BMT-P2/144A (Hoop)
Size*	2142 x 1160 x 29.6mm	2327 x 1160 x 29.6mm
Weight	30±0.5kg	31.8±0.5kg
Cable	4 mm²	
Cell Type	N-Type TOPCon Half Cells (132pcs)	N-Type TOPCon Half Cells (144pcs)

Electrical Data (STC) STC:AM=1.5, irradiance 1000W/ m² , component temperature 25° C		
Power (W)	525W	580W
Efficiency (%)	21.1%	21.5%
Power/ m² (W/ m²)	211W/ m²	215W/ m²
Voltage at Max Power (Vmpp)	41.02V	44.97V
Voltage at Open Circuit (Voc)	47.78V	52.28V
Current at Max Power (Impp)	12.80A	12.90A
Current at Short Circuit (Isc)	13.50A	13.60A

Working Parameters	
Working Temperature	-40℃ ~ +85℃
Maximum System Voltage	1500V
Fire-Resistant Class	A
Protection Class	II

Temperature Parameters	
Isc TP	0.048%/℃
Voc TP	-0.28%/℃
PMPP TP	-0.35%/℃

Mechanical Load	
Max Front Side Static Load	5400Pa
Max Rear Side Static Load	2400Pa

*within a tolerance of 2 mm for length and width and 1 mm for height

PV Charging Carport With Storage

Flat-to-pitched Roof Conversion

Sun Shed