

# Polaris Series

525W + 580W



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The 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-chamber design, which ensures that the frames are structurally stronger and more durable. Additionally, the modular installation technology and integrated drainage structure make it incredibly easy to install, saving time and less hassle. The Polaris Series also offers comprehensive performance advantages in safety, applicability, durability, economy, and environmental friendliness.



## High Impact Resistance

- Wind-resistant design
- Double chamber design
- Maximum static load on the front  $\geq 5400\text{Pa}$



## Integrated Diverse Applications

- Carport
- Flat-to-pitched Roof Conversion
- Sun Shed



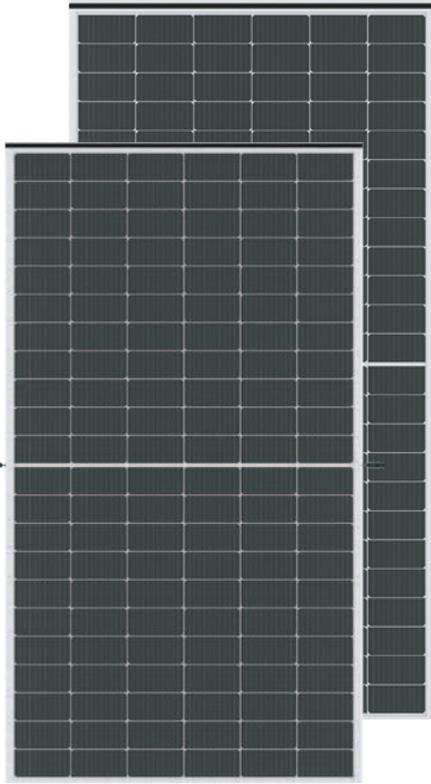
## Fast Installation

- Modular design, easy to replace
- Structured integrated drainage



## High Power Generation

- High-efficiency Mono PERC cells

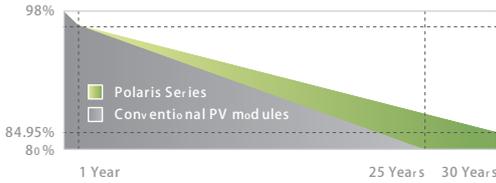


BMT-P 2/132A

BMT-P 2/144A

**30-year power generation performance guarantee**

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



**Structural Data**

**BMT-P 2/132A (Hoop)**

**BMT-P 2/144A (Hoop)**

Size*	2142 x 1160 x 29.6mm	2327 x 1160 x 29.6mm
Weight	30±0.5kg	31.8±0.5kg
Cable	4 mm <sup>2</sup>	
Cell Type	N-Type TOPCon Half Cells (132pcs)	N-Type TOPCon Half Cells (144pcs)

**Electrical Data (STC)** STC:AM=1.5, irradiance 1000W/ m<sup>2</sup>, component temperature 25° C

Power (W)	525W	580W
Power/ m <sup>2</sup> (W/ m <sup>2</sup> )	211W/ m <sup>2</sup>	215W/ m <sup>2</sup>
Voltage at Max Power (Vmpp)	41.02V	44.97V
Voltage at Open Circuit (Voc)	47.78V	52.28V
Current at Max Power (Imp)	12.80A	12.90A
Current at Short Circuit (Isc)	13.50A	13.60A

**Working Parameters**

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

**Temperature Parameters**

Isc TP	0.048%/°C
Voc TP	-0.28%/°C
PMPP TP	-0.35%/°C

**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