



GOODWE

Polaris Series

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

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-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 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

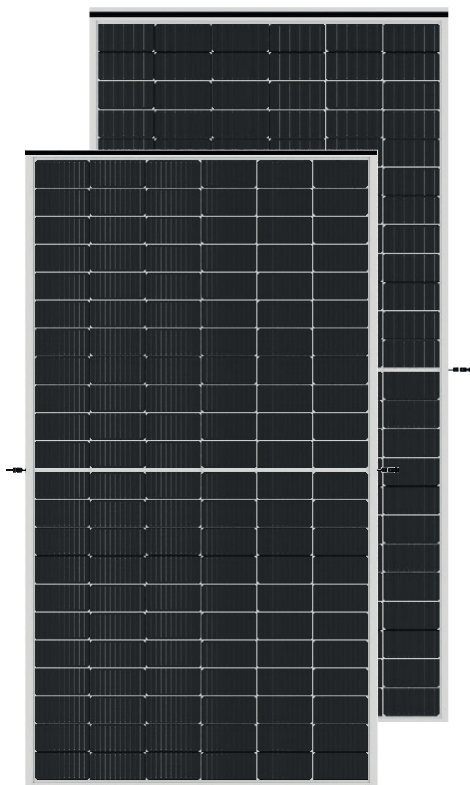


High Power Generation

- High-efficiency Mono PERC cells

IEC 61215 IEC 61730 IEC 61701
GB 29551



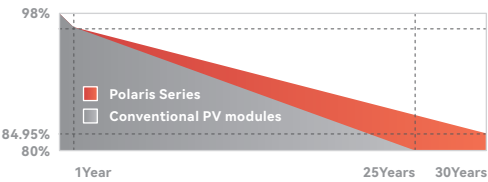


BMT-P2/132A

BMT-P2/144A

30-year power generation performance guarantee

- 2% degradation in the first year
- 12-year product warranty
- 0.45% decay per year
- 30-year power guarantee



PV Charging Carport With Storage



Flat-to-pitched Roof Conversion



Sun Shed

Structural Data

BMT-P2/132A

BMT-P2/144A

Size	2142x1160x30mm	2327x1160x30mm
Weight	30kg	32kg
Cell Type	182 Mono PERC	182 Mono PERC

Electrical Data (STC) STC:AM=1.5, irradiance 1000W/ m², component temperature 25° C

Max Power (Pmax)	505W	550W
Voltage at Max Power (Vmpp)	38.70V	41.35V
Current at Max Power (Impp)	13.02A	13.30A
Voltage at Open Circuit (Voc)	45.67V	49.84V
Current at Short Circuit (Isc)	14.15A	14.18A
Module Efficiency	20.3%	20.4%

Temperature Coefficient

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

Mechanical Load

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

Carbon Neutral Index (30 years)

Energy Output	22590kWh	24600kWh
Equivalent to Standard Coal	5741kg	6248.4kg
Carbon Emission Reduction	13126kg	14292kg

*Based on Sydney radiation, 20degrees tilt, North facing.
Standard Coal Coefficient 0.254kg/kWh; Carbon Emission Reduction 0.581kg/kWh