

# Polaris Series

**BMT-P2/096A 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

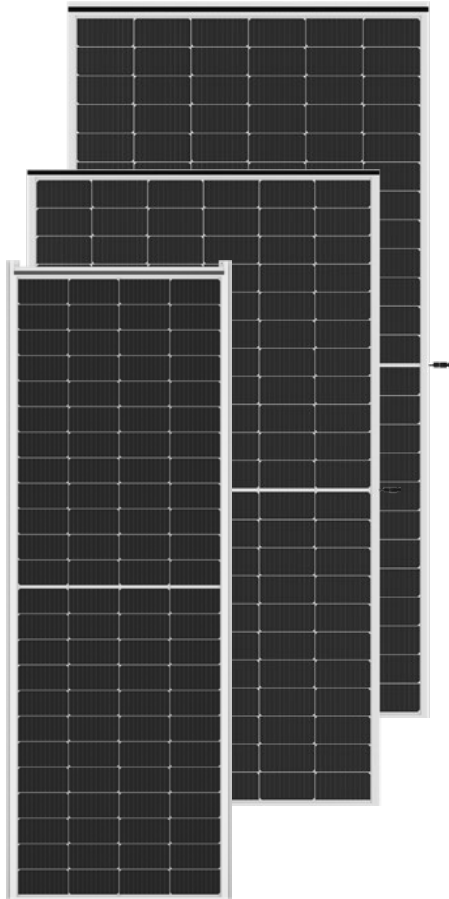
- Modular design, easy to replace
- Structured integrated drainage



## High Power Generation

- High-efficiency Mono PERC cells





**Structural Data**

**BMT-P2/096A**

**BMT-P2/132A**

**BMT-P2/144A**

|           |                 |                |                |
|-----------|-----------------|----------------|----------------|
| Size      | 2323x819x31.5mm | 2142x1165x30mm | 2327x1160x30mm |
| Weight    | 24kg            | 30kg           | 32kg           |
| Cell Type | 182 Mono PERC   | 182 Mono PERC  | 182 Mono PERC  |

**Electrical Data (STC)**

STC:AM=1.5, irradiance 1000W/m<sup>2</sup>, Component Temperature 25° C

|                                |                     |                     |                     |
|--------------------------------|---------------------|---------------------|---------------------|
| Max Power (Pmax)               | 365W                | 505W                | 550W                |
| Voltage at Max Power (Vmp)     | 27.44V              | 38.79V              | 41.35V              |
| Current at Max Power (Imp)     | 13.30A              | 13.02A              | 13.30A              |
| Voltage at Open Circuit (Voc)  | 33.23V              | 45.67V              | 49.84V              |
| Current at Short Circuit (Isc) | 14.18A              | 14.15A              | 14.18A              |
| Power                          | 192W/m <sup>2</sup> | 202W/m <sup>2</sup> | 204W/m <sup>2</sup> |

**Temperature Coefficient**

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

**Mechanical Load**

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

**Carbon Neutral Index (30 years)**

|                             |          |          |          |
|-----------------------------|----------|----------|----------|
| Energy Output               | 10837kWh | 14990kWh | 16326kWh |
| Equivalent to Standard Coal | 3305kg   | 4572kg   | 4980kg   |
| Carbon Emission Reduction   | 6296kg   | 8710kg   | 9486kg   |



Solar-plus-storage and EV Charging Carport



Flat-to-pitched Roof Conversion



Sun Shed