

## Galaxy Series

Light weight corrosion resistant surface enclosed with polymer waterproofing membrane, ensuring a long product life and superior waterproofing capabilities while relieve the roof from additional load. Polaris series is attached to the roof without rail system by hot air soldering, resulting an easy and quick installation experience. The unique heat dissipation design ensures better energy generation and longer roof life by constantly reducing the operating temperature.



**70% lighter**

than conventional glass modules

**Leak free**

No penetration installation

**Integrated**

No additional mounting structure required\*



TPO enhanced Integrated waterproofing



Hot air soldering Rapid installation



Impact resistance Self-cleaning



Light weight Applicable to multiple scenarios

### Structural Data

#### BMT-G3/088A

Size (L x W x H)	2319×777×4mm
Weight	11kg±0.5Kg
Weight per Sqr Meter	6.1kg
Strengthening Layer	1.6mm reinforced glass
Cell type	Mono-Si PERC

### Electrical Data (STC)

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

Max Power (Pmax)	315W
Voltage at Max Power (Vmpp)	25.65V
Current at Max Power (Imp)	12.30A
Voltage at Open Circuit (Voc)	30.53V
Current at Short Circuit (Isc)	12.90A
Power per Sqr Meter	174W/ m <sup>2</sup>

### Operation Conditions

Maximum System Voltage	DC1500V
Maximum Fuse Rating	25A
Operation Temperature Range	-40°C~ +85°C
Hail Test	Diameter 25mm(7~8g) Speed 23m/s

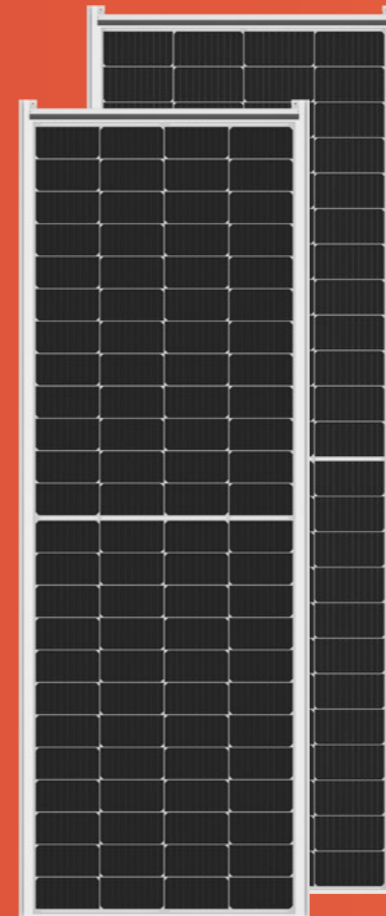
### Carbon Neutral Index ( 30 years )

Energy Output*	9352kWh
Equivalent to Standard Coal*	2852kg
Carbon Emission Reduction*	5434kg

\* For reference only, actual output may vary based on local environmental factors. Mounting structure requirement vary based on roof material and geometry.

## Polaris Series

Applicable to Flat to pitched, carport or other cases. Double chamber design results in a stronger frame system. Polaris system is safe, deployable, durable, economically and environmentally friendly, and easy to install thanks to its technological superiority such as prefabricated technologies and Integrated drainage structure design.



### Structural Data

#### BMT-P1/096A

#### BMT-P2/096A

Size (L x W x H)	2140*757*31.5mm	2323*819*31.5mm
Weight	21±0.5Kg	24±0.5Kg
Cell Type	Mono-Si PERC	Mono-Si PERC

### Electrical Data (STC)

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

Maxpower(Pmax)	300W	365W
Voltage at Max Power(Vmpp)	27.85V	27.44V
Current at Max Power (Imp)	10.80A	13.30A
Open circuit Voltage (Voc)	33.06V	33.23V
Short Circuit Current (Isc)	11.45A	14.18A
Power per Sqr Meter	184W/m <sup>2</sup>	192W/m <sup>2</sup>

### 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*	8907kWh	10837kWh
Equivalent to Standard Coal*	2717kg	3305kg
Carbon Emission Reduction*	5175kg	6296kg

\* For reference only, actual output may vary based on local environmental factors.