

## FEATHER-LIGHT STEEL-TOUGH



### Galaxy Series

BMT-G4/108A | 440W

Ideal for C&I Roof Tops/ Patio/Pergola/Shed & Solar Trailer/Flat Roof

Galaxy Series is a featherlight BIPV (building-integrated photovoltaic) product designed for industrial and commercial applications. With an ultra-lightweight design and PPO edge protection, Galaxy is especially ideal for low load-bearing and poor waterproofing roofs while ensuring power generation efficiency. It is worth mentioning that the 1.6mm ultra-thin glass is added to Galaxy, which greatly helps improve its ability to resist strong impact from wind and hail, bringing durability and safety to buildings with all-weather protection. Furthermore, various installation methods and the integrated design also enable rapid and streamlined installation, resulting in significant cost savings out of reduced labor time.



#### Ultra-lightweight

- The lightest weighs 5.6 kg/m<sup>2</sup>
- Up to 60% lighter than conventional module
- Suitable for roofs with a low load-bearing capacity



#### Various & Quick Installation

- No roof penetration
- 3 Min/pcs rapid installation
- Clamps for metal roofs
- Glue for flat roofs



#### High Reliability

- Wind<sup>1</sup> and hail<sup>2</sup> impact resistance
- Maximum static snow load up to 2400Pa
- Enhanced capability for self-cleaning
- PPO Edge protection
- Reduced fire risks

<sup>1</sup>Third-party lab test from CTC

<sup>2</sup>Third-party TUV lab: report number CN22Z6P8 001

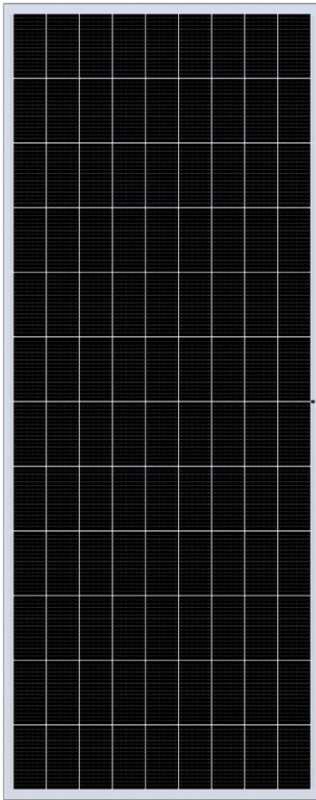


#### High Power Generation

- High-efficiency TOPCon cells
- 2% less generation loss<sup>3</sup> with ventilation design
- Up to 214W per square meter of power generation

<sup>3</sup>Based on internal lab test

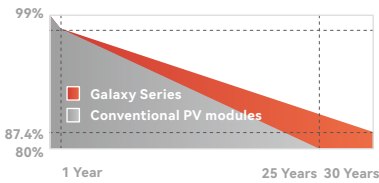




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**30-year power generation performance guarantee**

- ✔ 1% degradation in the first year
- ✔ 12-year product warranty
- ✔ 0.4% decay per year
- ✔ 30-year power guarantee



**Structural Data**

**BMT-G4/108A**

Size	2275±2*905±2*5±1mm
Weight	11.5±0.8kg
Unit Weight	5.6±0.4kg/m <sup>2</sup>
Front Surface	1.6mm tempered glass
Cell Type	N-Type TOPCon Half Cells (108pcs)
Frame	Frameless*

**Electrical Data (STC)**

Max Power (Pmax)	440W
Power/m <sup>2</sup> (W/m <sup>2</sup> )	214W/m <sup>2</sup>
Efficiency (%)	21.4%
Voltage at Max Power (Vmpp)	33.26V
Voltage at Open Circuit (Voc)	39.32V
Current at Max Power (Impp)	13.23A
Current at Short Circuit (Isc)	13.9A

**Load Capacity**

Maximum static load on the front	2400Pa
Maximum static load on rear side	2400Pa

**Working Parameters**

Maximum System Voltage	1500V
Maximum Fuse Rating Operation	25A
Temperature Range	-40° C ~+85° C
Hail Test	Hail diameter: 25mm Specified speed: 23m/s
The Rated Operating Temperature	45±2°C
Fire-resistant Class	C
Protection Class	II

**Temperature Parameters**

Isc TP	+0.029%/°C
Voc TP	-0.27%/°C
Pmp TP	-0.30%/°C

\*With PPO edge protection to reduce the risk of glass damage from corner impacts.

