

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 lightweight solar panel 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/m²
- Up to 60% lighter than conventional module
- Suitable for roofs with a low load-bearing capacity



High Reliability

- Wind¹ and hail² impact resistance
- Maximum static snow load up to 2400Pa
- Enhanced capability for self-cleaning
- PPO Edge protection
- Reduced fire risks

¹Third-party lab test from CTC

²Third-party TUV lab: report number CN22Z6P8 001



Various & Quick Installation

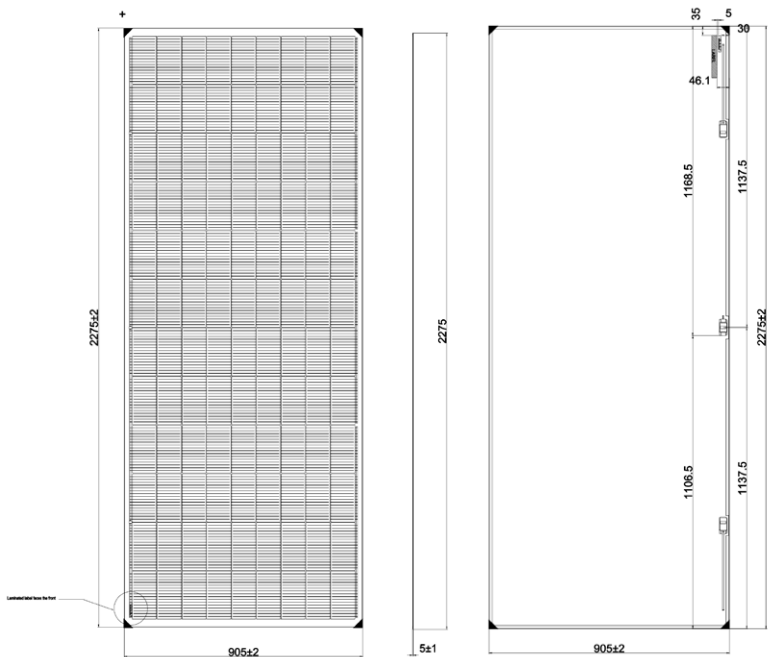
- No roof penetration
- 3 Min/pcs rapid installation
- Clamps for metal roofs
- Glue for flat roofs



High Power Generation

- High-efficiency TOPCon cells
- 2% less generation loss³ with ventilation design
- Up to 214W per square meter of power generation

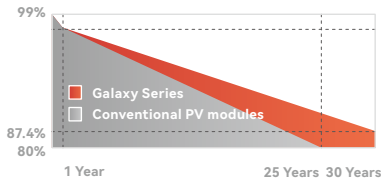
³Based on internal lab test



BMT-G4/108A

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



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
Ingress Protection Rating	IP67
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.

Structural Data

BMT-G4/108A

Size	2275±2*905±2*5±1mm
Weight	11.5±0.8kg
Unit Weight	5.6±0.4kg/m²
Front Surface	1.6mm tempered glass
Cell Type	N-Type TOPCon Half Cells (108pcs)
Frame	Frameless*

Electrical Data (STC)

Max Power (Pmax)	440W
Power/m² (W/m²)	214W/m²
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

