GOODWE

FEATHER-LIGHT STEEL-TOUGH

Galaxy Series

BMT-G4/080A | 375W

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

Various & Quick Installation

- 3 Min/pcs rapid installation
- Clamps for metal roofs
- Glue for flat roofs

High Reliability & Durability

- Wind-Resistant – Withstands 166–183km/h
- Hail test – Passed 25mm Impact Test
- Snow Load Ready – Up to 2400Pa

High Power Generation

- No roof penetration
- High-efficiency TOPCon cells
- 2% less generation loss[3] with ventilation design
- Up to 217W per square meter of power generation

[3] Based on internal lab test

TÜV Rheinland CERTIFIED CE

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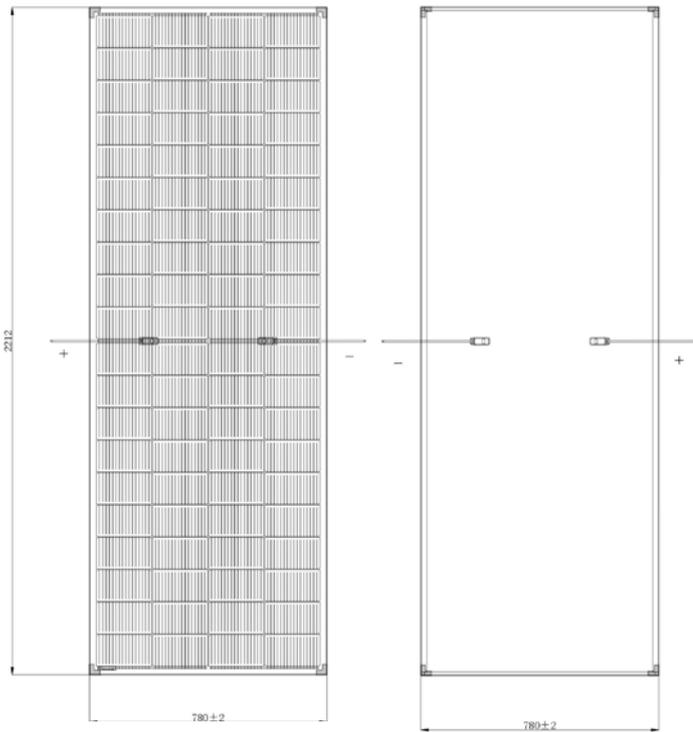
BMT-G4/080A

Structural Data — BMT-G4/080A

Size	2212±2*780±2*3.7±1mm
Weight	9.7±0.7kg
Unit Weight	5.6±0.4kg/m²
Front Surface	1.6mm tempered glass
Cell Type	TOPCon Half Cells(80pcs)
Frame	Frameless*

Electrical Data (STC)

Max Power (Pmax)	375W
Power/ m² (W/m²)	217W/m²
Efficiency （%）	21.7%
Voltage at Max Power (Vmpp)	25.22V
Voltage at Open Circuit (Voc)	29.52V
Current at Max Power (Impp)	14.87A
Current at Short Circuit (Isc)	15.54A

Load Capacity

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

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

Galaxy Series
Conventional PV modules

99%
87.4%
80%

1 Year   25 Years 30 Years
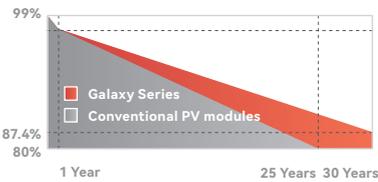
Working Parameters

| Maximum System Voltage	1500V
Maximum Fuse Rating Operation	25A
Temperature Range	–40° C ~+70° C
Hail Test	Hail diameter: 25mm Specified speed: 23m/s
The Rated Operating Temperature	45±2℃
Fire-resistant Class	C
Ingress Protection Rating	IP67
Protection Class	II

Temperature Parameters

Isc TP	0.03%/℃
Voc TP	–0.27%/℃
Pmp TP	–0.30%/℃

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

Angle Ridge Roof Panel
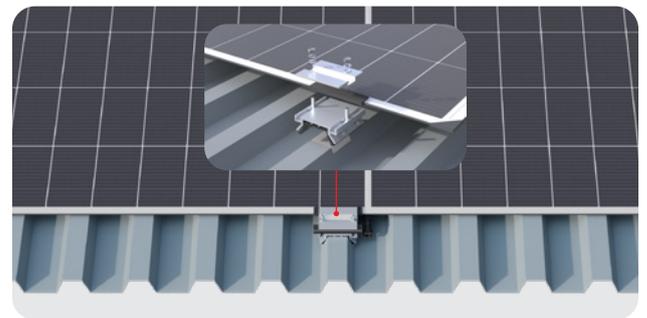
Trapezoidal Metal Roof Panel

*Custom clamps available for additional tile profiles.