



Galaxy Series

BMT-G3/088A BMT-G4/088A

Galaxy Series is a featherlight BIPV (building integrated photovoltaic) product designed for industrial and commercial applications. With an ultra-lightweight design and frameless surface, 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 hail and high wind, 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

- 60% lighter than conventional modules
- Suitable to roofs with a low load-bearing capacity



High Reliability

- Wind¹ and hail² impact resistance
- Reduced fire risks

¹Internal lab test from CANLON company

²Third-party TUV lab: report number CN22Z6P8 001



Various Installation Methods

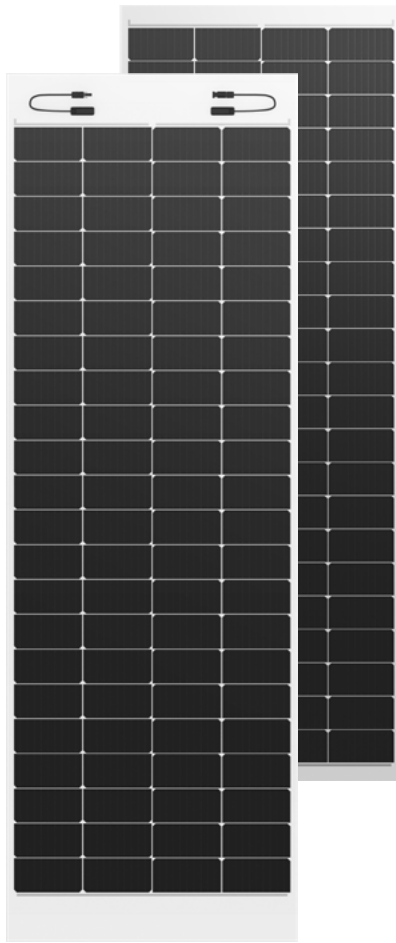
- Clamps for standing seam metal roofs
- Hot air welding for roofs with TPO waterproofing membrane
- Glue for flat roofs



High Power Generation

- High-efficiency Mono PERC cells
- 2% less generation loss³ with ventilation design

³Based on internal lab test due to better ventilation @ 0.34%/°C

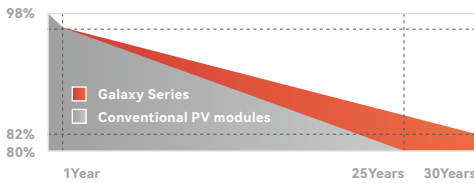


Ultra

Plus

30-year power generation performance guarantee

- ✓ 2% degradation in the first year
- ✓ 12-year product warranty
- ✓ 0.55% decay per year
- ✓ 30-year power guarantee



Structural Data

BMT-G3/088A

BMT-G4/088A

Size	2319×777×4mm	2116×777×3.5mm
Weight	11kg	9.3kg
Unit Weight	6kg/m ²	5.6kg/m ²
Strengthening Layer	1.6mm reinforced glass	1.6mm reinforced glass
Cell Type	182 Mono PERC	182 Mono PERC
Connector	MC4-Evo 2	MC4-Evo 2

Electrical Data (STC)

STC: AM=1.5, Irradiance 1000W/m², Component Temperature 25°C

Max Power (Pmax)	315W	335W
Voltage at Max Power (Vmpp)	25.65V	30.47A
Current at Max Power (Impp)	12.30A	13.88V
Voltage at Open Circuit (Voc)	30.53V	25.68V
Current at Short Circuit (Isc)	12.90A	13.05A
Power	174W/m ²	204W/m ²

Operation Conditions

Maximum System Voltage	DC1500V	DC1500V
Maximum Fuse Rating Operation	25A	25A
Temperature Range	-40°C ~+85°C	-40°C ~+85°C
Hail Test	Hail diameter: 25mm Specified speed: 23m/s	

Temperature Parameters

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

Carbon Neutral Index (30 years)

*Based on simulation result 100kWp system in Sydney

Annual Average Output	148,767 kWh	148,767 kWh
Carbon Emission Reduction	2,319,154 kg	2,319,154 kg
Equivalent Trees	20,894	20,894

