



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

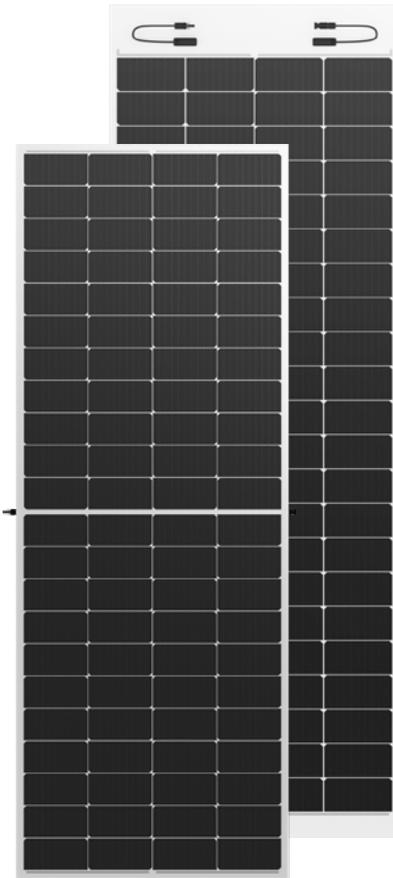
- Clamps for standing seam metal roofs
- Hot air welding for roofs with TPO waterproofing membrane
- Glue for flat roofs



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

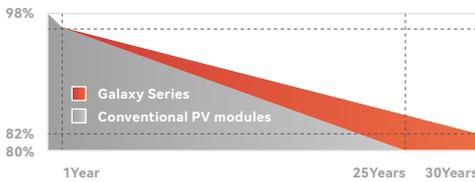


Galaxy Plus
BMT-G4/088A

Galaxy Ultra
BMT-G3/088A

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-G4/088A

BMT-G3/088A

| | | |
|---------------------|------------------------|------------------------|
| Size | 2116x777x3.5mm | 2319x777x4mm |
| Weight | 9.3kg | 11kg |
| Unit Weight | 5.6kg/m ² | 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) | 335W | 315W |
| Voltage at Max Power (Vmpp) | 25.68V | 25.65V |
| Current at Max Power (Impp) | 13.05A | 12.30A |
| Voltage at Open Circuit (Voc) | 30.47V | 30.53V |
| Current at Short Circuit (Isc) | 13.88A | 12.90A |
| Module Efficiency | 20.4% | 17.4% |

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 | 112512 kWh | 112512 kWh |
| Carbon Emission Reduction | 1924980kg | 1924980kg |
| Equivalent Trees | 17499 | 17499 |

