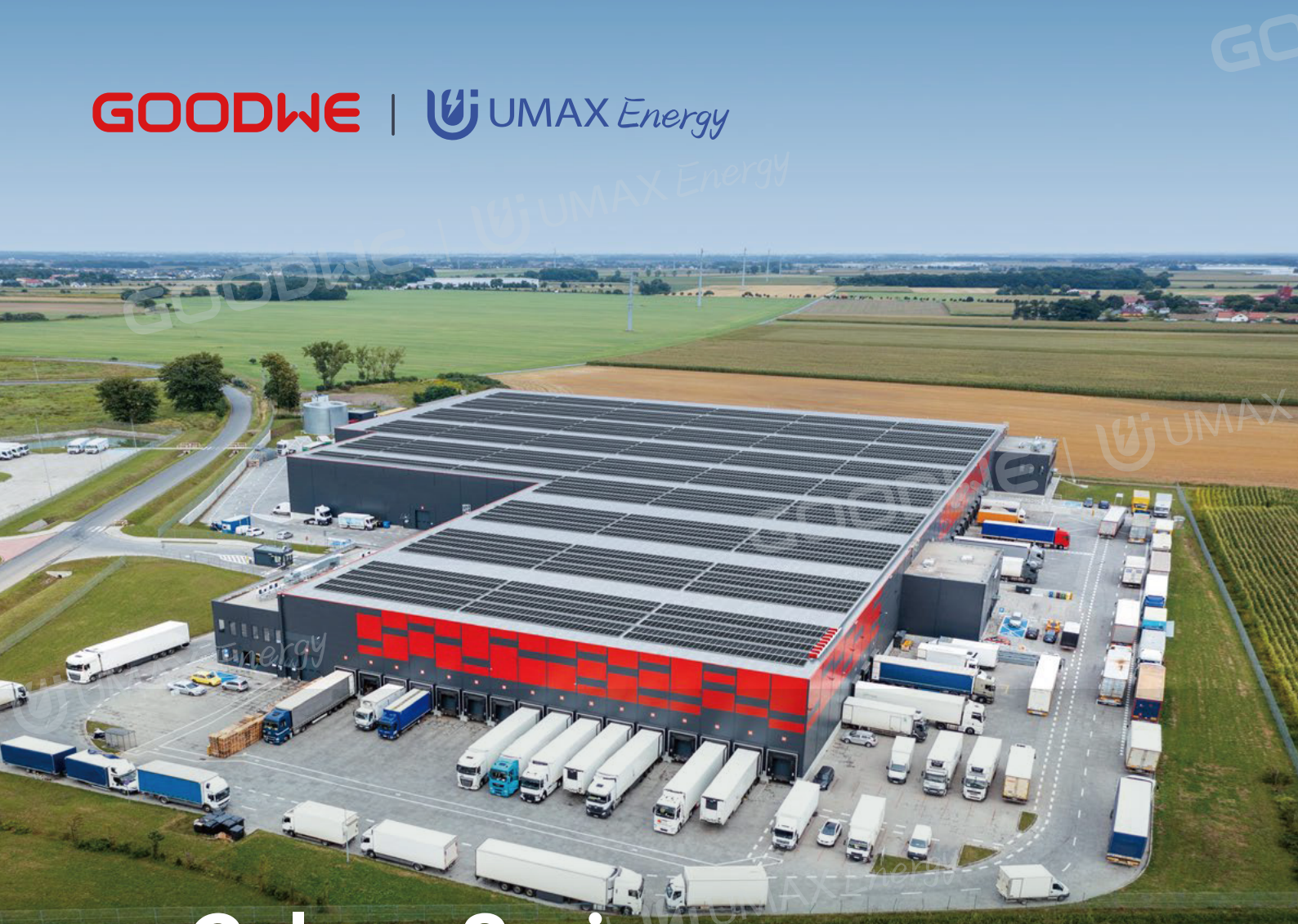
GOODWE | UMAX Energy



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

- **Wind[1] and hail[2] impact resistance**
- **Reduced fire risks**

[1] Internal lab test from CANLON company
[2] Third-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 loss[3] with ventilation design**

[3] Based on internal lab test due to better ventilation @ 0.34%/℃

Galaxy Series-Designed for light weight

IEC 61215 IEC 61730
GB/T36584 GB 8624

GALAXY Series

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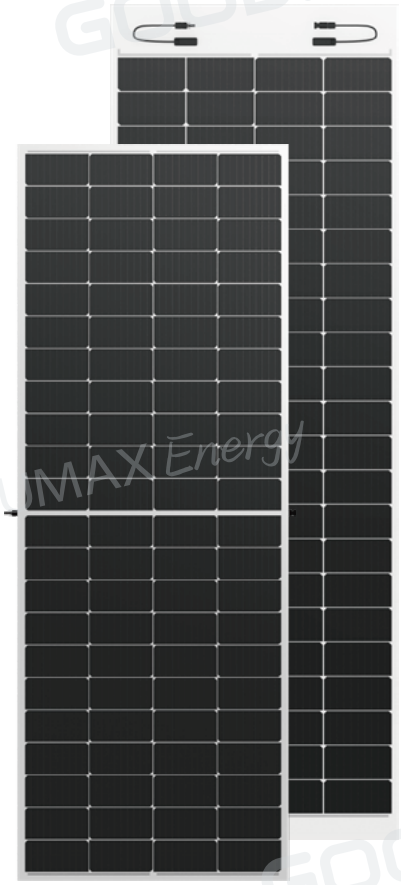


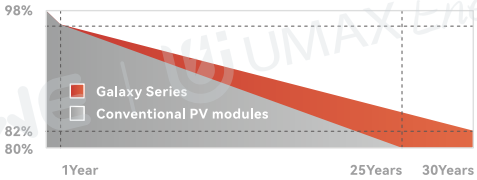
Galaxy Plus
BMT-G4/088A

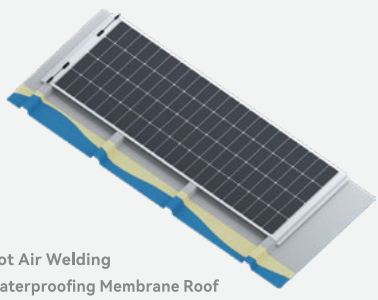
Galaxy Ultra
BMT-G3/088A

Structural Data	BMT-G4/088A	BMT-G3/088A
Size	2116x777×3.5mm	2319×777×4mm
Weight	9.3kg	11kg
Unit Weight	5.6kg/m²	6kg/m²
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/㎡ 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℃ ~+85℃	-40℃ ~+85℃
Hail Test	Hail diameter: 25mm Specified speed: 23m/s	
Temperature Parameters		
Isc TP	0.048%/℃	0.048%/℃
Voc TP	-0.28%/℃	-0.28%/℃
PMPP TP	-0.35%/℃	-0.35%/℃
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

30-year power generation performance guarantee

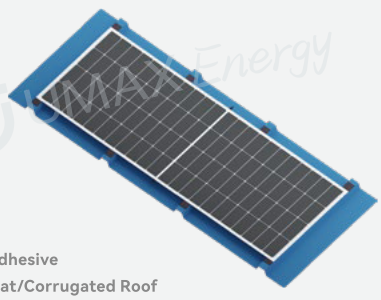
- 2% degradation in the first year
- 12-year product warranty
- 0.55% decay per year
- 30-year power guarantee





Hot Air Welding
Waterproofing Membrane Roof

Clamps
Klip-Lok/Standing Seam Roof



Adhesive
Flat/Corrugated Roof

UMAX ENERGY (Strategic Exclusive Partner and Technical & Service Centre)
Unit L, 61-65 Roberts Rd, Greenacre NSW 2190
1300 950 868 info@umaxenergy.com www.umaxenergy.com.au

GoodWe PV Building Material Datasheet – 20231025 Data presented is subjected to change. GoodWe reserve the final right for explanation on any of the information presented hereby.