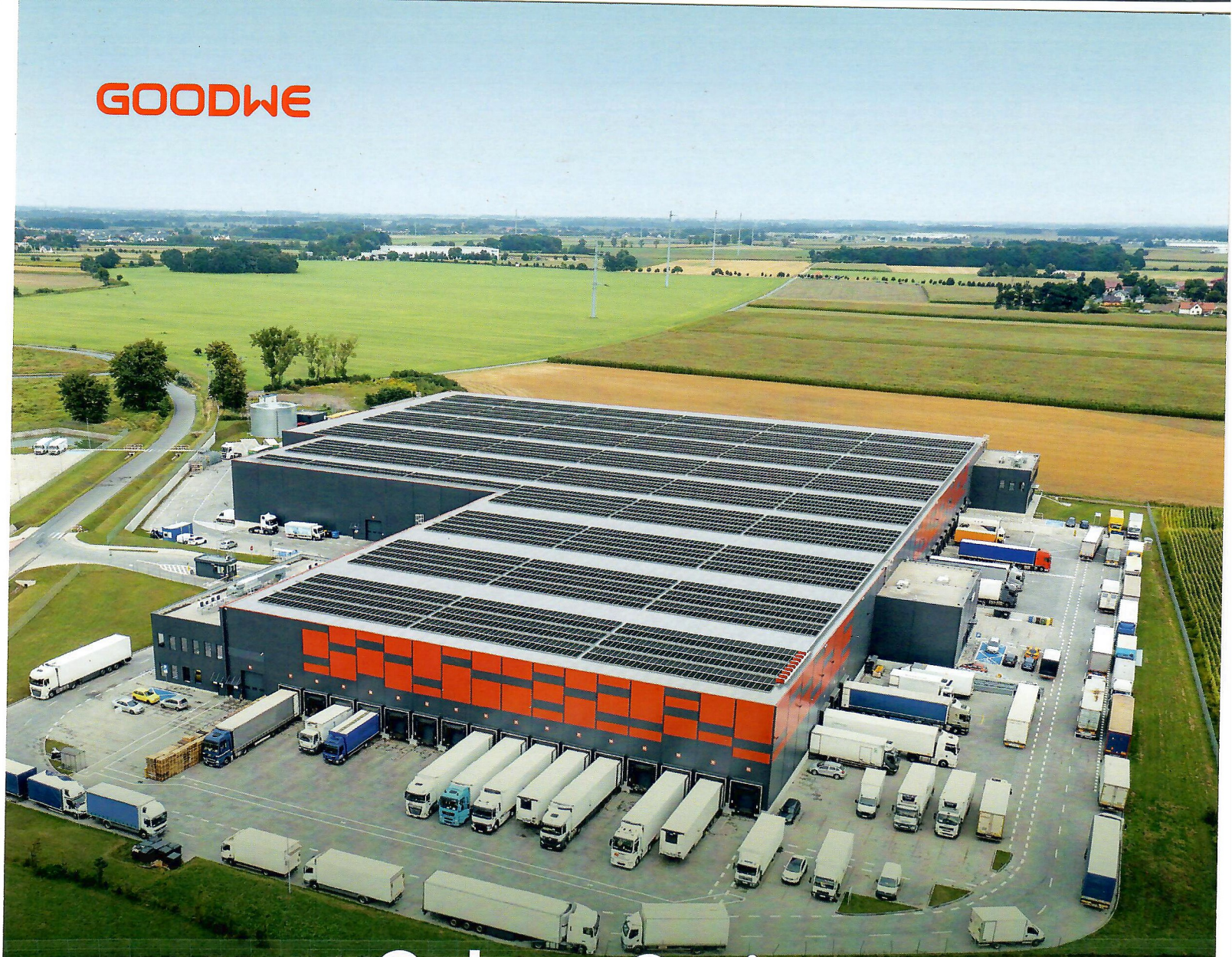
GOODWE



Galaxy Series

BMT-G3/088A

In GoodWe Galaxy series featherweight PV building material (PVBM), solar cells are packaged by integrating thermoplastic polyolefin waterproofing material into lightweight corrosion-resistant panels, resulting in an anti-ageing, waterproofing solar-activated building material that minimizes the impact on roof mechanical load. Galaxy series can be deployed directly onto TPO rooftop waterproofing membranes via hot air welding without the need for extra mounting kits. The rapid and streamlined installation process offers visible overall savings on both labor and material costs.

6.1 kg/m²
Lightweight PVBM

TPO
Integrated waterproofing

Made to Last
Ageing and UV resistant

Stronger
Ultra-thin tempered glass

- TPO reinforced Integrated waterproofing
- Hot air welding rapid-installation
- Enhanced impact resistance self-cleaning
- Lightweight building material adaptive to multiple scenarios

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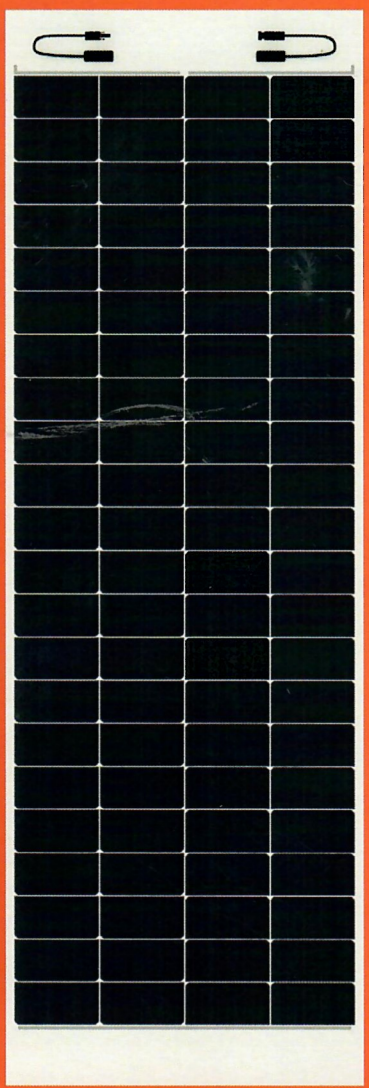


BMT-G3/088A

Structural Data

Size	2319×777×4mm
Weight	11kg±0.5Kg
Weight per Sqr Meter	6.1kg
Strengthening Layer	1.6mm reinforced glass
Cell type	Mono-Si PERC

Electrical Data (STC)

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

Max Power (Pmax)	315W
Voltage at Max Power (Vmpp)	25.65V
Current at Max Power(Impp)	12.30A
Voltage at Open Circuit (Voc)	30.53V
Current at Short Circuit (Isc)	12.90A
Power per Sqr Meter	174W/ ㎡

Operation Conditions

Maximum System Voltage	DC1500V
Maximum Fuse Rating Operation	25A
Temperature Range	-40℃~ +85℃
Hail Test	Pass the 25mm diameter (7~8g), 22m/s puck impact test

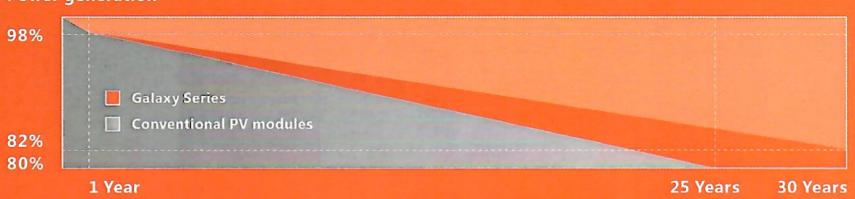
Carbon Neutral Index (30 years)

Energy Output	9352kWh
Equivalent to Standard Coal	2852kg
Carbon Emission Reduction	5434kg

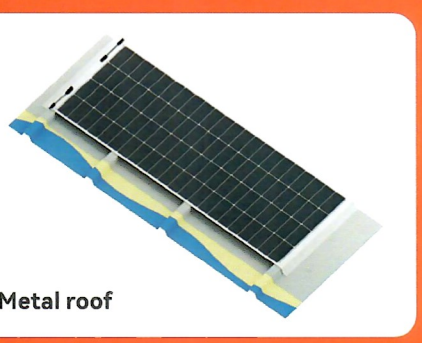
30-year power generation performance guarantee

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

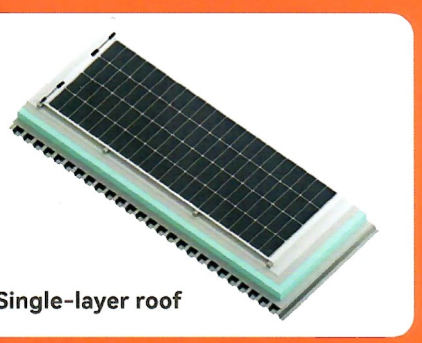
Power generation



Concrete roof



Metal roof



Single-layer roof

GOODWE TECHNOLOGIES CO., LTD.

A 90 Zijin Road, High Tech Dist, Suzhou
T 0512-62916050-8317
E pvbm@GoodWe.com
W www.GoodWe.com

GoodWe PV Building Material Datasheet - 20221109 Data presented is subjected to change. GoodWe reserve the final right for explanation on any of the information presented hereby.