

BC Type

420-440W

TN-MGB108

First Year Power Degradation **<1.5%**

Year 2-25 Power Degradation **0.40%**

Max Module Efficiency **22.5%**

Power Tolerance **0~3%**

▼ Characteristic

- Suitable for Distribution Market
- Simple design embodies modern style
- Better energy generation performance
- Best Solution to Harsh Conditions Power
- High Reliability Based On Strict Quantity Control
- High-quality module guarantees long-term reliability



Complete System and Product Certifications IEC 61215, IEC 61730, UL 61730, ISO 9001, ISO 14001, ISO 45001, IEC 62941

 Scan and focus on us

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● Technical Parameter

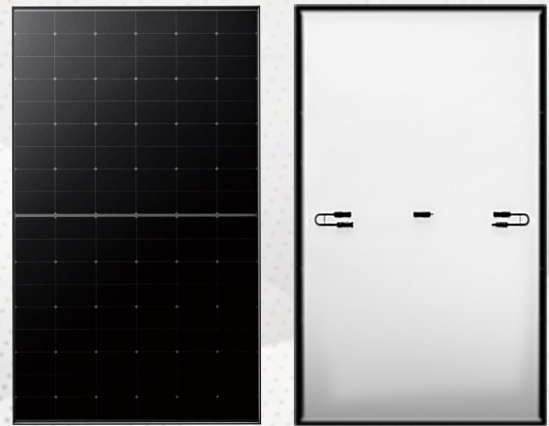
Electrical Characteristics(STC)

Module Type	TN-MGB108-420W	TN-MGB108-425W	TN-MGB108-430W	TN-MGB108-435W	TN-MGB108-440W
Maximum Power (Pmax/W)	420	425	430	435	440
Open Circuit Voltage (Voc/V)	38.70	38.90	39.10	39.20	39.40
Short Circuit Current (Isc/A)	13.91	13.99	14.07	14.15	14.23
Voltage at Maximum Power (Vmp/V)	32.50	32.70	32.90	33.00	33.10
Current at Maximum Power (Imp/A)	12.93	13.00	13.07	13.19	13.30
Module Efficiency(%)	21.5	21.8	22.0	22.3	22.5

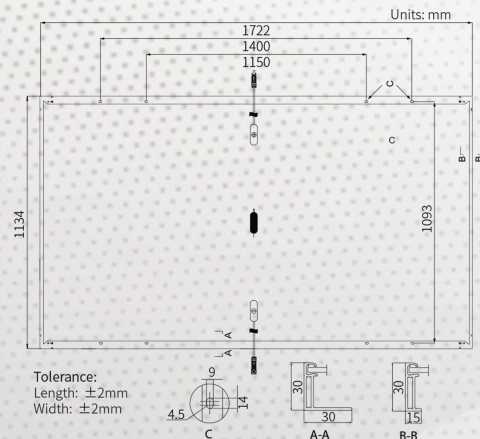
STC : AM1.5 1000W/m² 25°C Test uncertainty for Pmax: ± 3%

Mechanical Parameters

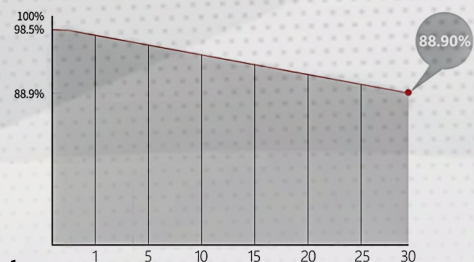
Cell Orientation	108(6X18)
Junction Box	IP68
Output Cable	4mm ² , ±1200mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	20.8kg
Dimension	1722×1134×30mm
Packaging	36pcs per pallet 216pcs per 20' GP 936pcs per 40' HC



Dimensions(Units:mm)



Additional Value



Warranty

12 Years Warranty for Materials And Processing

30 Years Warranty for Extra Linear Power Output

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3%
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature _{reg}	45±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2 IEC Class Cm

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.230%/°C
Temperature Coefficient of Pmax	-0.290%/°C