





GW-BD16/72	340~370W
Mono-Super Black Module	Power Output Range
19.0%	0~+5W
Maximum Efficiency	Power Tolerance


Product Specifications Book

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PID free module
Anti-PID cell technology
Anti-PID encapsulation technology

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UL 1703, IEC 61215, IEC 61730 and CE
ISO 9001 for Quality Management Systems
ISO 14001 for Environmental Management Systems
ISO 18001 Occupational Health and Safety System

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Lower annual power degradation and current sorting reduces the mismatch power loss in system operation

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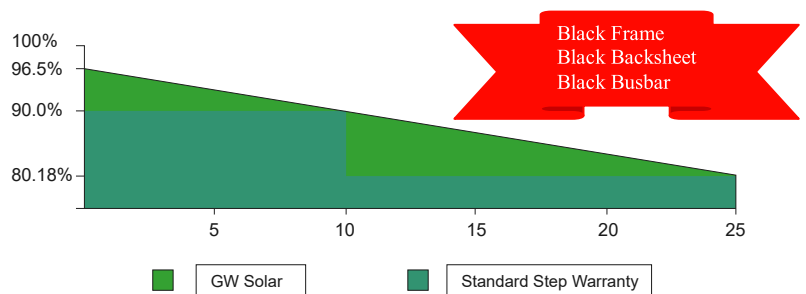
Improve safety
1500VDC (TUV) / 1500VDC (CSA) certified
2 EL inspections per cell/module for defect-free consistency

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Load certificates: wind to 2400Pa and snow to 5400Pa



LINEAR PERFORMANCE WARRANTY

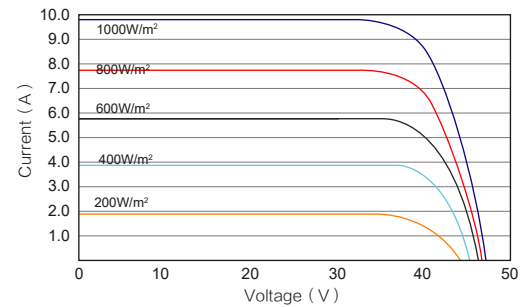


Munich RE Insurance Global Coverage

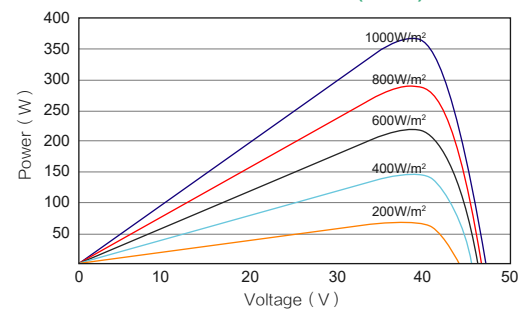
Electrical Specifications (standard test conditions)

Maximum Power -PMAX (Wp)	340	345	350	355	360	365	370
Power Tolerance -PMAX (W)	0 ~ +5						
Maximum power point of operating voltage -VMPP (V)	38.2	38.5	38.7	38.8	39.0	39.3	39.7
Maximum power point of operating current -IMPP (A)	8.90	8.96	9.04	9.15	9.24	9.30	9.33
Open circuit voltage -Voc (V)*	46.2	46.7	47.0	47.4	47.7	48.0	48.3
Short circuit current - Isc (A)	9.50	9.55	9.60	9.65	9.70	9.77	9.83
Module Efficiency η_m (%)	17.5	17.7	18.0	18.3	18.6	18.8	19.0
Standard test conditions under Measured Value:(air quality AM1.5, Irradiance 1000W / m ² , cell temperature 25 ° C)							

I-V Curves (365)



P-V Curves (365)



Electrical Index (under nominal operating cell temperature conditions)

Maximum Power-PMAX (Wp)	253	257	261	264	268	272	276
Maximum power point of operating voltage -VMPP (V)	35.4	35.7	35.9	36.0	36.2	36.4	36.8
Maximum power point of operating current -IMPP (A)	7.15	7.20	7.26	7.34	7.42	7.47	7.50
Open circuit voltage -Voc (V)*	42.9	43.4	43.7	44.1	44.3	44.6	44.9
Short circuit current - Isc (A)	7.67	7.71	7.75	7.79	7.83	7.89	7.94
NOCT: Irradiance 800W / m ² , ambient temperature of 20 ° C, wind speed 1m / s							

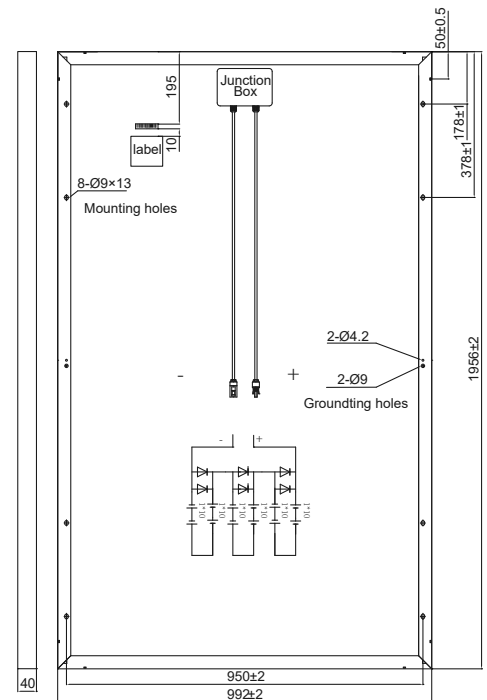
Temperature Rating

Limit parameter

Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)	Working Temperature	-40~+85°C
Maximum power (PMAX) Temperature Coefficient	- 0.39%/°C	Maximum fuse rated Current	15A
Open-circuit voltage (VOC) Temperature Coefficient	- 0.29%/°C	Maximum system voltage	1500VDC (TUV)
Short circuit current (ISC) Temperature Coefficient	0.05%/°C	Maximum system voltage	1500VDC (CSA)

Mechanical Specifications

Solar cell Type	156.75mm × 156.75mm Mono-crystalline
Number of Cells	1 module 72pieces (6 × 12)
Dimensions	1956*992*40mm 77.00*39.06*1.57 inch
Weight	23 kg
Glass	3.2mm, High transparency, anti-reflective coatings toughened glass
Junction Box	Protection level IP 68
Frame	Black, anodized aluminum
Backsheet	Black
Busbar	Black
Cable	4.0 mm ² , 1200 mm Photovoltaic dedicated cables
Connector	MC4 compatible



Warranty

- 15-year warranty for product
- 25-year warranty for linear power
- Please refer to product warranty for details

Packaging Method

- Modules per box: 26 pcs
- Modules per 40 ft container: 624 pcs
- Installation depends on the mechanical load