

GreenTriplex

PM250M01 270W

Mono-Crystalline
Photovoltaic Module



Power
270 Wp



Highly Strengthened Design

Module complies with advanced loading tests to meet 5400 Pa loading requirements



3 Busbar Design

Enhance current transmission and module reliability

Optional



AC photovoltaic

Integrated with a Micro-inverter, the module has high and stable AC power output via panel level MPPT



BenQ
Solar

Green Triplex PM250M01 (270 W_p)

Electrical Data

Typ. Nominal Power P _N	270W
Typ. Module Efficiency	16.8%
Typ. Nominal Voltage V _{mp} (V)	31.1
Typ. Nominal Current I _{mp} (A)	8.70
Typ. Open Circuit Voltage V _{oc} (V)	38.2
Typ. Short Circuit Current I _{sc} (A)	8.90
Maximum Tolerance of P _N	0 / +3%

- Above data are the effective measurement at Standard Test Conditions (STC)
- STC: irradiance 1000 W/m², spectral distribution AM 1.5, temperature 25 ± 2 °C, in accordance with EN 60904-3
- The given electrical data are nominal values which account for basic measurements and manufacturing tolerances of ±10%, with the exception of P_N. The classifications is performed according to P_N
- Black backsheet is utilized for power range 250 ~ 265W; White backsheet is for 250 ~ 270W

Temperature Coefficient

NOCT	46 ± 2 °C
Typ. Temperature Coefficient of P _N	-0.44% / K
Typ. Temperature Coefficient of V _{oc}	-0.30% / K
Temperature Coefficient of I _{sc}	0.06% / K

- NOCT: Normal Operation Cell Temperature, measuring conditions: irradiance 800 W/m², AM 1.5, air temperature 20 °C, wind speed 1 m/s

Mechanical Characteristics

Dimensions (L x W x H)	1639 x 983 x 40 mm (64.53 x 38.70 x 1.57 in)
Weight	18.5 kg (40.79 lbs)
Front Glass	High transparent solar glass (tempered), 3.2 mm (0.13 in)
Cell	60 monocrystalline solar cells, 156 x 156 mm (6 x 6 in)
Cell Encapsulation	EVA
Back Sheet	Composite film, black/white
Frame	Anodized aluminum frame, black
Junction Box	IP-65 rated with 3 bypass diodes
Cables	1 x 4 mm ² (0.04 x 0.16 inch ²), length: each 1.0 m (39.37 in)
Connector Type	Tyco plug

Operating Conditions

Operating Temperature	-40 ~ +85 °C
Ambient Temperature Range	-40 ~ +45 °C
Max. System Voltage IEC/UL	1000 V / 600 V
Serial Fuse Rating	15 A
Maximum Surface Load Capacity	Tested up to 5400 Pa according to IEC 61215 (advanced test)

Warranties and Certifications

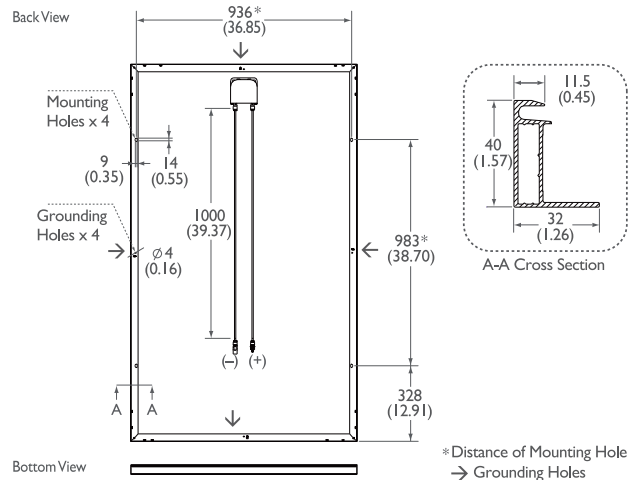
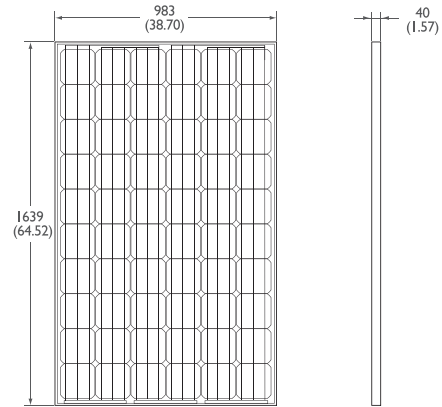
Product Warranty	10 years for material and workmanship
Performance Guarantee	Guaranteed output of 90% for 10 years and 80% for 25 years
Certifications	According to IEC 61215, IEC 61730 and UL 1703 guidelines *

- * Please confirm other certifications with official dealers

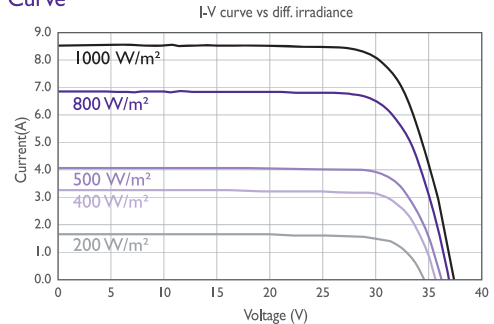
Packing configuration

Container	20' GP	40' GP	40' HQ
Pieces per pallet	23	23	23
Pallets per container	6	13	26
Pieces per container	138	299	598

Dimensions mm (inch)



I-V Curve



Current/voltage characteristics with dependence on irradiance and module temperature.

Dealer Stamp

* All data subject to change without prior notice.
Please consult our official dealers for more information.

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