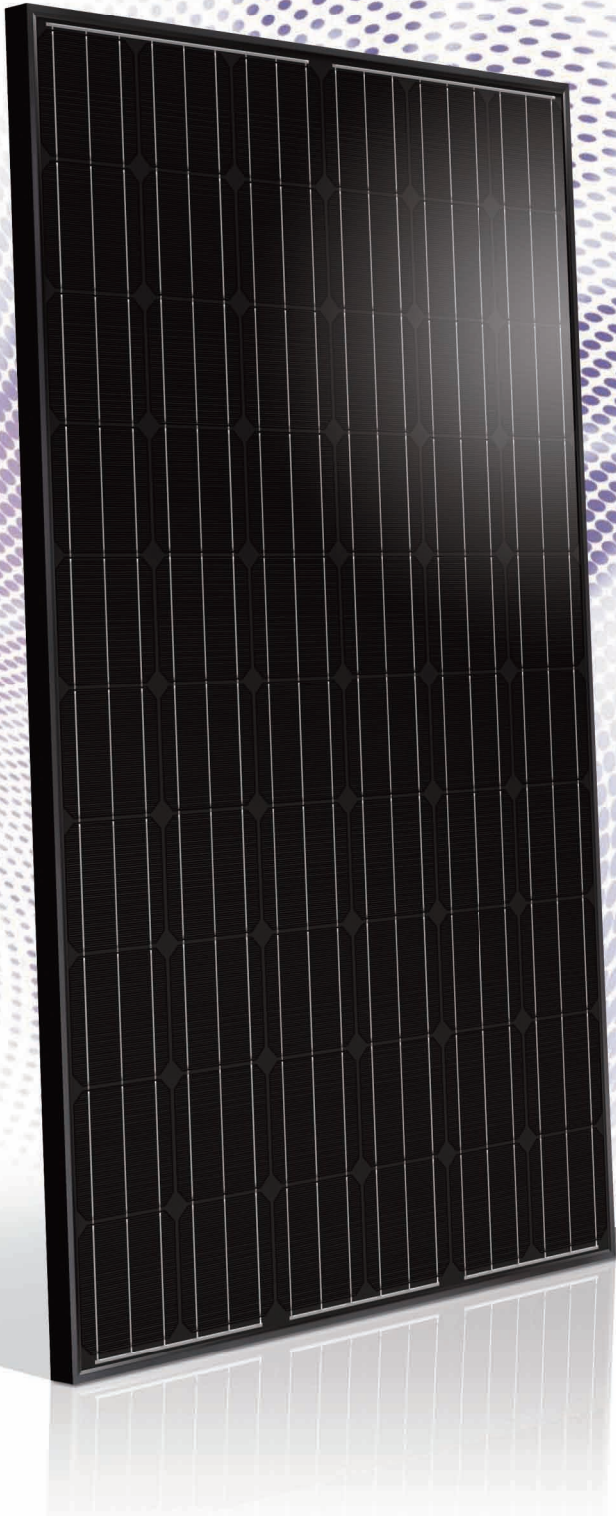


GreenTriplex PM250M00 Gen 2.0

Mono-Crystalline
Photovoltaic Module



250W
270W

Power Range
250 ~ 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 PM250M00 Gen 2.0 (250~270 Wp)

Electrical Data

Typ. Nominal Power P_N	250 W	255 W	260 W	265 W	270 W
Typ. Module Efficiency	15.6%	15.8%	16.1%	16.4%	16.8%
Typ. Nominal Voltage V_{mp} (V)	30.7	30.8	30.9	31.0	31.1
Typ. Nominal Current I_{mp} (A)	8.22	8.34	8.46	8.58	8.70
Typ. Open Circuit Voltage V_{oc} (V)	37.8	37.9	38.0	38.1	38.2
Typ. Short Circuit Current I_{sc} (A)	8.66	8.72	8.78	8.84	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 classification 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 / silver
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	MC4 compatible

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

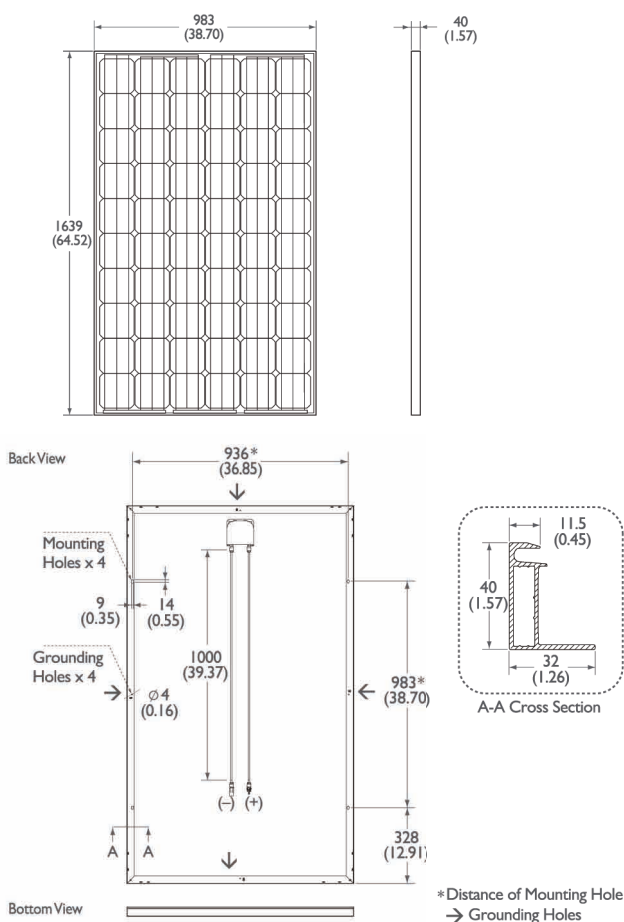
Packing configuration

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

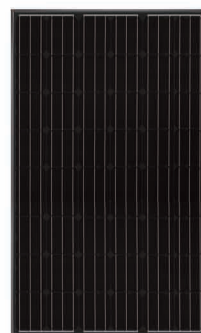
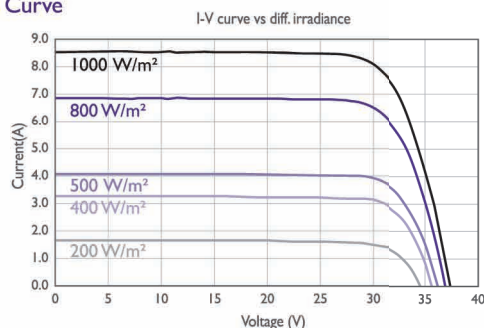
- * All data subject to change without prior notice. Please consult our official dealers for more information.

Ver. 201208_EN_Gen2

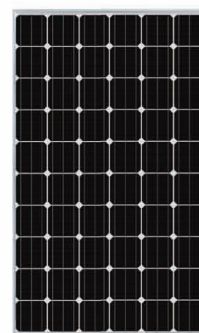
Dimensions mm (inch)



I-V Curve



Black Back Sheet
Black Frame



White Back Sheet
Silver Frame



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