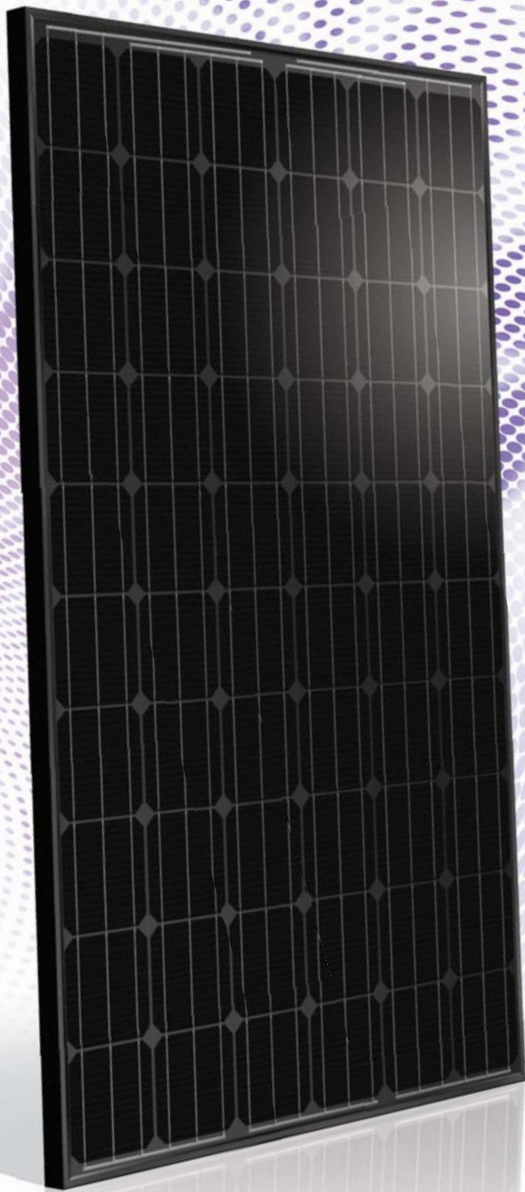


GreenTriplex PM250M00

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

GreenTriplex PM250M00 (250~270 Wp)

Electrical Data

Typ. Nominal Power P_N	250 W	255 W	260 W	265 W	270 W
Typ. Module Efficiency	15.3%	15.6%	15.9%	16.2%	16.5%
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 ~ 265 W; White backsheet is for 250 ~ 270 W

Temperature Coefficient

NOCT	46 ± 2 °C
Typ. Temperature Coefficient of P_N	-0.48% / K
Typ. Temperature Coefficient of V_{oc}	-0.36% / K
Temperature Coefficient of I_{sc}	0.03% / 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)	1651 x 992 x 40 mm (65.00 x 39.06 x 1.57 in)
Weight	19.3 kg (42.55 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	Tyco plug / MC4 Compatible

Operating Conditions

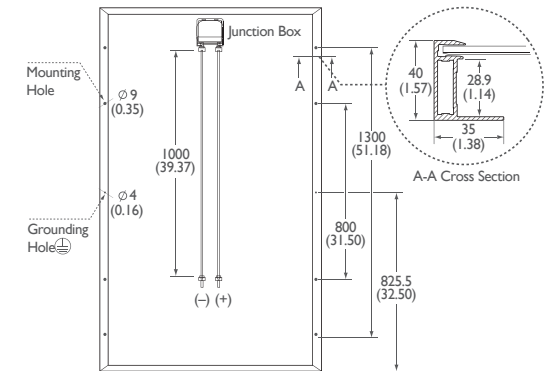
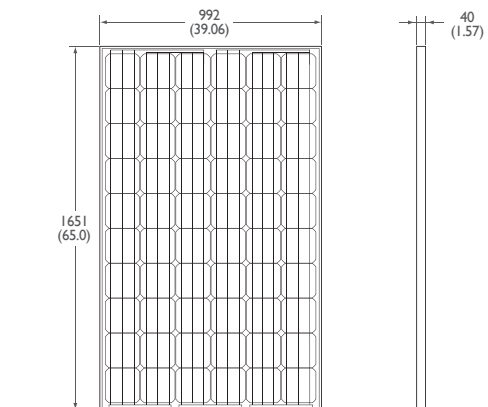
Operating Temperature	-40 ~ +85 °C
Ambient Temperature Range	-40 ~ +45 °C
Max. System Voltage IEC/UL	1000 V / 600 V
Serial Fuse Rating	15 A
Maximum Surface Load Capacity	Tested up to 5400 Pa according to IEC 61215 (advanced test)

Warranties and Certifications

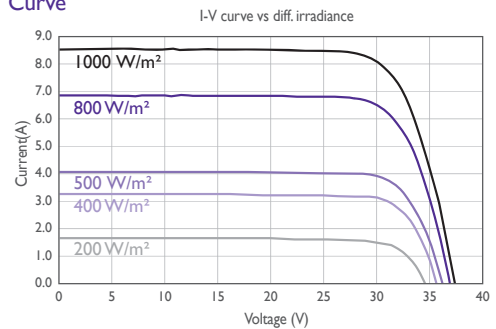
Product Warranty	5 years for material and workmanship
Performance Guarantee	Guaranteed output of 90% for 10 years and 80% for 25 years
Certifications	According to IEC 61215, IEC 61730 and UL 1703 guidelines *

- * Please confirm other certifications with official dealers

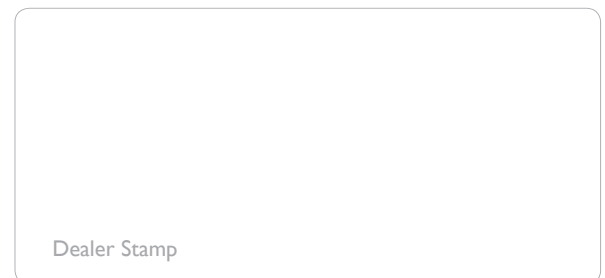
Dimensions mm (inch)



I-V Curve



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



AU Optronics Corporation

No. 1, Li-Hsin Rd. 2, Hsinchu Science Park, Hsinchu 30078, Taiwan

Tel: +886-3-500-8899 E-mail: BenQSolar@auo.com www.BenQSolar.com



BenQ Solar is a division of AU Optronics The datasheet is printed with Soy Ink / Printed in Taiwan
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