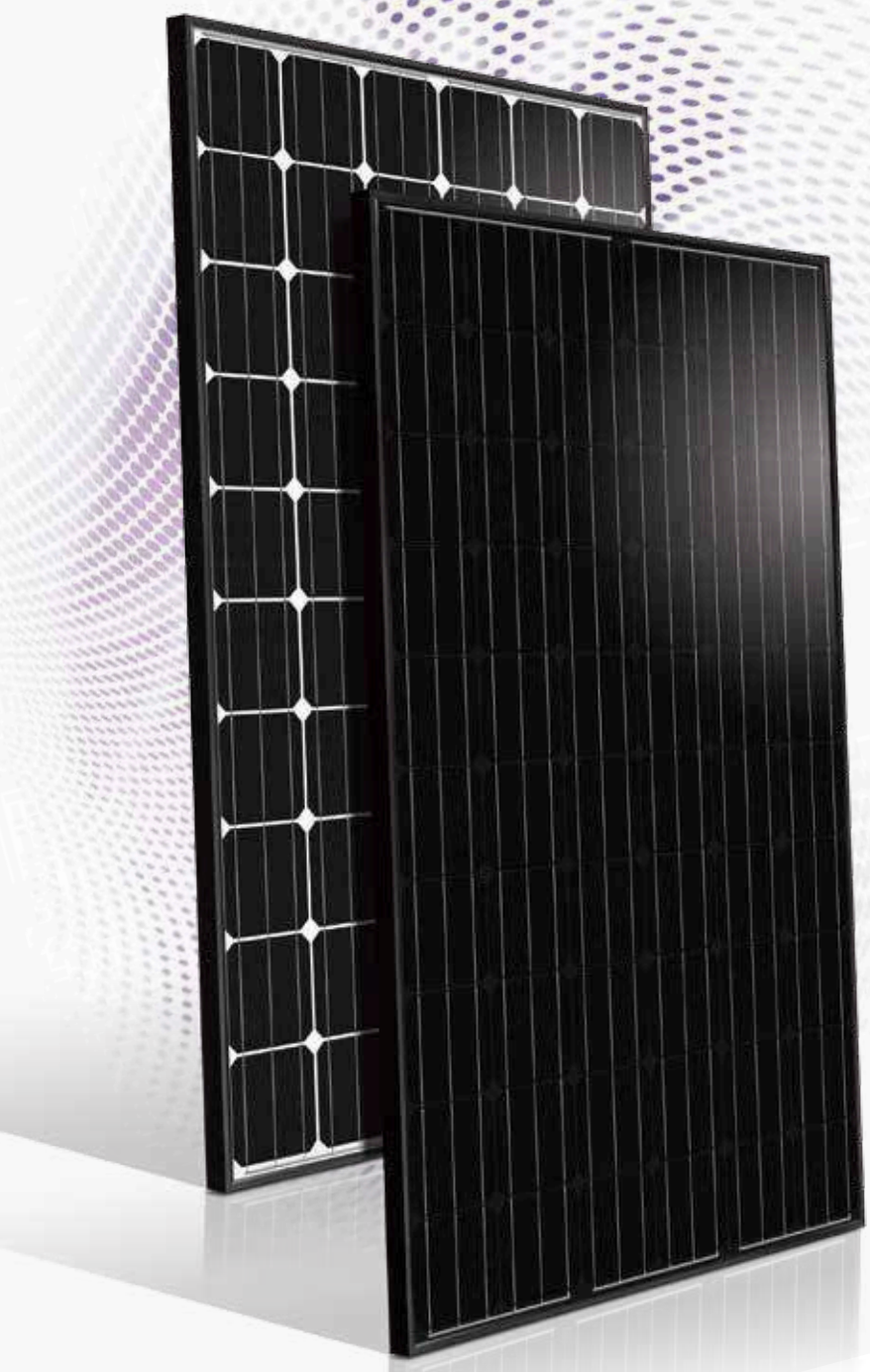
GreenTriplex
PM060M02

Mono-Crystalline Photovoltaic Module



Power Range
270 ~ 290 Wp

Highly Strengthened Design
Module complies with advanced loading tests to meet 5400 Pa loading requirements

PID-Free

Superior Weak Light Performance
Improved absorption of long wavelength light

Flammability Test
Low ignitability ensuring fire safety

IP-67 Rated Junction Box
Advanced water and dust proof level

Resistance to Salt Corrosion and Humidity
Module complies with IEC 61701: Salt Mist Corrosion Testing

Ammonia Test
Reliable in ammonia rich environment

BenQ Solar

GreenTriplex PM060M02 (270 ~ 290 Wp)

Electrical Data

Typ. Nominal Power P_N	270W	275W	280W	285W	290W
Typ. Module Efficiency	16.8%	17.1%	17.4%	17.7%	18.0%
Typ. Nominal Voltage V_{mp} (V)	31.8	32.3	32.7	31.0	31.3
Typ. Nominal Current I_{mp} (A)	8.50	8.52	8.57	9.20	9.27
Typ. Open Circuit Voltage V_{OC} (V)	38.5	38.7	38.9	40.0	40.4
Typ. Short Circuit Current I_{SC} (A)	9.01	9.03	9.06	9.80	9.82
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

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
Frame	Anodized aluminum frame
Junction Box	IP-67 rated with 3 bypass diodes
Connector Type & Cables	TE Connectivity PV4: 1 x 4 mm² (0.04 x 0.16 in²), Length: each1.0 m (39.37 in) YUKITA YS-254/ YS-255: 1 x 4 mm² (0.04 x 0.16 in²), Length: each 1.065 m (41.93 in)

Operating Conditions

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

Warranties and Certifications

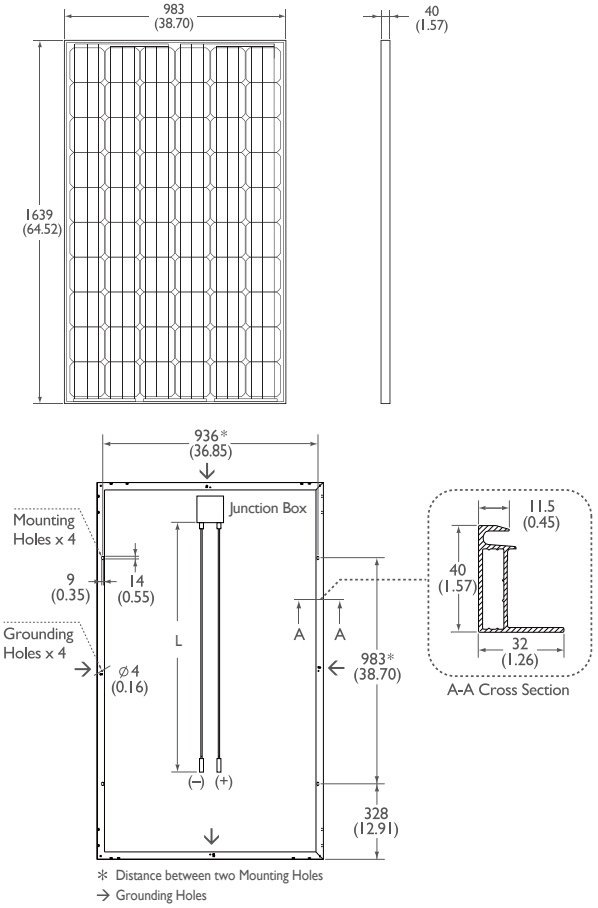
Product Warranty	Maximum 10 years for material and workmanship
Performance Guarantee	Guaranteed linear degradation to 80% for 25 years *1
Certifications	According to IEC/EN 61215, IEC/EN 61730 and UL 1703 guidelines *2

*1: Please refer to warranty letter for detail
*2: Please confirm other certifications with official dealers

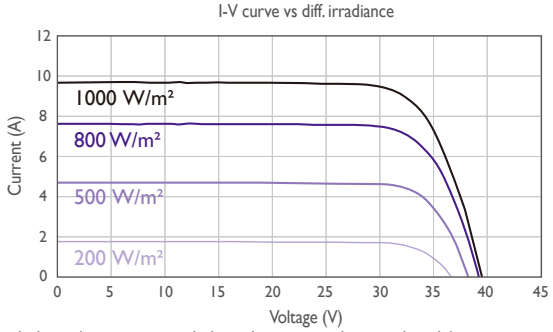
Packing Configuration

Container	20' GP	40' GP	40' HQ
Pieces per Pallet	26	26	26
Pallets per Container	6	14	28
Pieces per Container	156	364	728

Dimensions mm (inch)



I-V Curve



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

Dealer Stamp

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