

# Green Triplex PM245P00

Multi-Crystalline  
Photovoltaic Module



**Power Range**  
240 ~ 260Wp



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



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



**Flammability Test**  
Low ignitability ensuring fire safety



**Anti-Reflection Coated Glass**  
Anti-reflective surface enhances the power performance



**PID-Free**



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



**Ammonia Test**  
Reliable in ammonia rich environment



BenQ  
Solar

# Green Triplex PM245P00 (240 ~ 260 W<sub>p</sub>)

## Electrical Data

Typ. Nominal Power P <sub>N</sub>	240 W	245 W	250 W	255 W	260 W
Typ. Module Efficiency	14.9%	15.2%	15.5%	15.8%	16.1%
Typ. Nominal Voltage V <sub>mp</sub> (V)	29.9	30.3	30.6	30.8	31.2
Typ. Nominal Current I <sub>mp</sub> (A)	8.03	8.09	8.17	8.28	8.34
Typ. Open Circuit Voltage V <sub>oc</sub> (V)	37.0	37.2	37.4	37.6	37.7
Typ. Short Circuit Current I <sub>sc</sub> (A)	8.58	8.64	8.69	8.76	8.83
Maximum Tolerance of P <sub>N</sub>	0 / +3%				

- Above data are the effective measurement at Standard Test Conditions (STC)
- STC: irradiance 1000 W/m<sup>2</sup>, 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<sub>N</sub>. The classification is performed according to P<sub>N</sub>

## Temperature Coefficient

NOCT	46 ± 2 °C
Typ. Temperature Coefficient of P <sub>N</sub>	-0.44 % / K
Typ. Temperature Coefficient of V <sub>oc</sub>	-0.32 % / K
Temperature Coefficient of I <sub>sc</sub>	0.04 % / K

- NOCT: Normal Operation Cell Temperature, measuring conditions: irradiance 800 W/m<sup>2</sup>, 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 multicrystalline 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 mm <sup>2</sup> (0.04 x 0.16 in <sup>2</sup> ), Length: each 1.0 m (39.37 in) YUKITA YS-254/YS-255: 1 x 4 mm <sup>2</sup> (0.04 x 0.16 in <sup>2</sup> ), 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

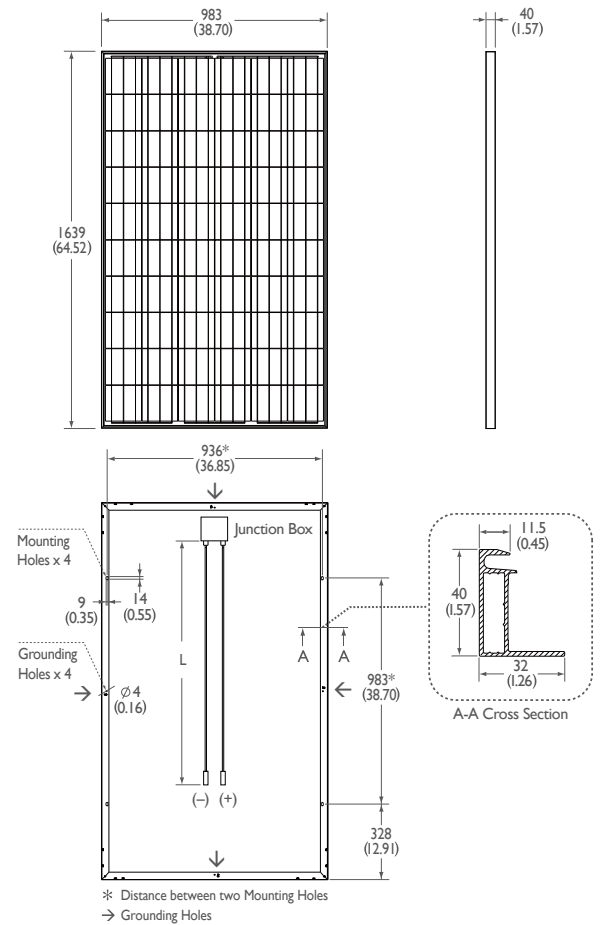
\*1: Please refer to warranty letter for detail

\*2: Please confirm other certifications with official dealers

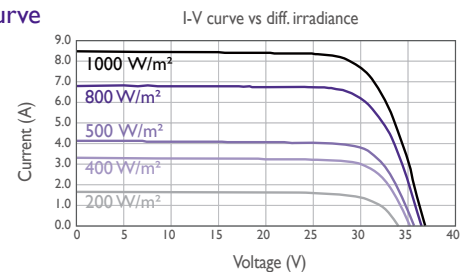
## Packing Configuration

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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