

EcoDuo

PM240P00

Multi-Crystalline
Photovoltaic Module



220W
250W

Power Range
220 ~ 250 Wp



Resistance to salt corrosion and humidity
Module complies with IEC 61701: Salt Mist
Corrosion Testing



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

Optional



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



BenQ
Solar

EcoDuo PM240P00 (220 ~ 250 W_p)

Electrical Data

Typ. Nominal Power P _N	220 W	225 W	230 W	235 W	240 W	245 W	250 W
Typ. Module Efficiency	13.4%	13.7%	13.8%	14.1%	14.4%	14.7%	15.0%
Typ. Nominal Voltage V _{mp} (V)	28.7	28.9	29.2	29.4	29.7	29.9	30.1
Typ. Nominal Current I _{mp} (A)	7.78	7.91	7.94	8.02	8.10	8.18	8.26
Typ. Open Circuit Voltage V _{oc} (V)	36.4	36.8	37.0	37.2	37.4	37.6	37.8
Typ. Short Circuit Current I _{sc} (A)	8.36	8.46	8.49	8.55	8.62	8.68	8.75
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

Temperature Coefficient

NOCT	46 ± 2 °C
Typ. Temperature Coefficient of P _N	-0.44 % / K
Typ. Temperature Coefficient of V _{oc}	-0.32 % / K
Temperature Coefficient of I _{sc}	0.04 % / 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)	1668 x 1000 x 40 mm (65.67 x 39.37 x 1.57 inches)
Weight	20 kg (44.1 lbs)
Front Glass	High transparent solar glass (tempered), 3.2 mm (0.13 inches)
Cell	60 multicrystalline solar cells, 156 mm x 156 mm (6" x 6")
Back Sheet	Composite film
Frame	Anodized aluminum frame
Junction Box	IP-65 rated with 3 bypass diodes
Cables	1x4 mm ² (0.04x0.16 inch ²), length: each 1.0 m (39.37 inches)
Connector Type	Tyco plug or MC4 compatible

Operating Conditions

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

Warranties and Certifications

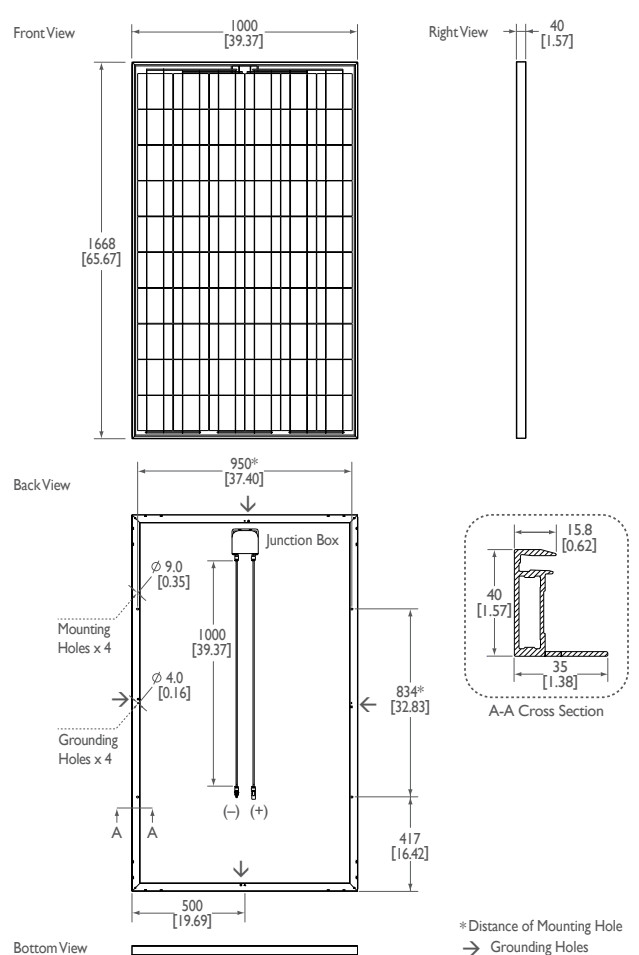
Product Warranty	10 years for material and workmanship
Performance Guarantee	Guaranteed output of 90% for 10 years and 80% for 25 years
Certifications	According to IEC 61215, IEC 61730 and UL 1703 guidelines *

- * Please confirm other certifications with official dealers

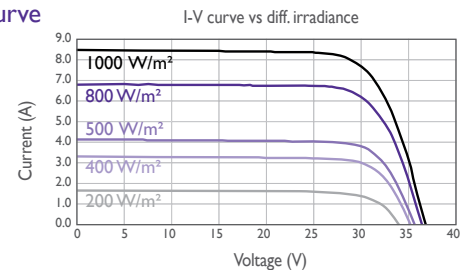
Packing configuration

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



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