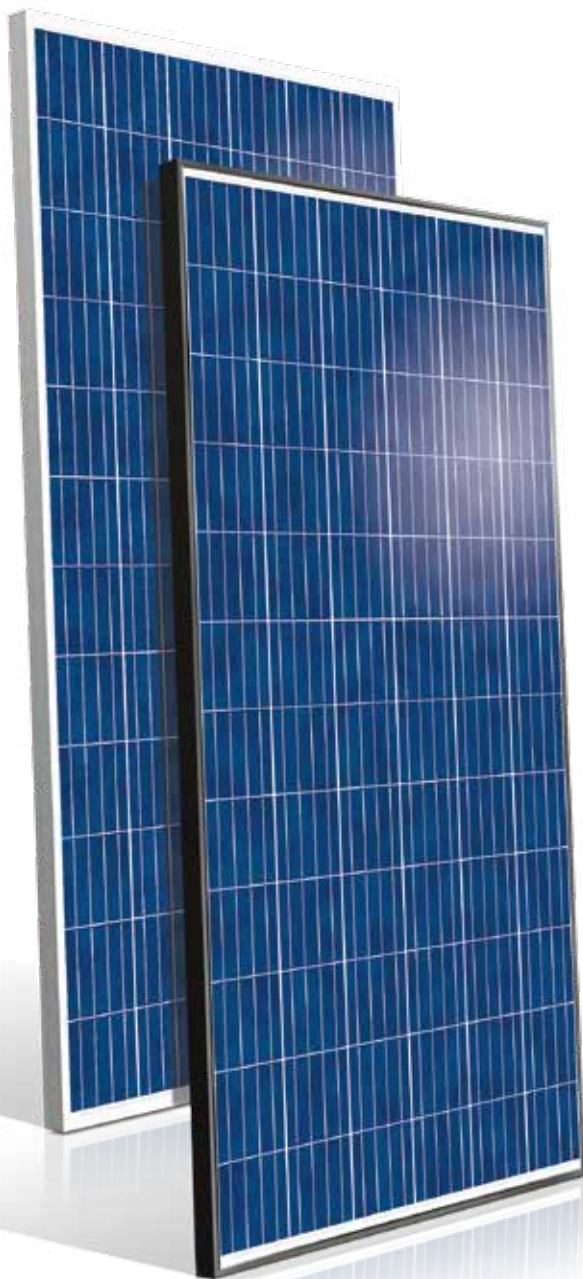




BenQ Group

SunPrimo PM072PW0

Multi-Crystalline Photovoltaic Module



Power Range
310 ~ 320 Wp



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



Flammability Test
Low ignitability ensuring fire safety



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



SunPrimo PM072PW0 (310 ~ 320 Wp)

Electrical Data

Typ. Nominal Power P_N	310W	315W	320W
Typ. Module Efficiency	16.0%	16.2%	16.5%
Typ. Nominal Voltage V_{mp} (V)	36.8	37.1	37.4
Typ. Nominal Current I_{mp} (A)	8.43	8.50	8.56
Typ. Open Circuit Voltage V_{oc} (V)	45.3	45.7	46.0
Typ. Short Circuit Current I_{sc} (A)	9.01	9.09	9.16
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

Temperature Coefficient

NOCT	47 ± 2 °C
Typ. Temperature Coefficient of P_N	-0.41% / 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)	1956 x 992 x 40 mm (77.00 x 39.05 x 1.57 in)
Weight	22.4 kg (49.38 lbs)
Front Glass	High transparent solar glass (tempered), 3.2 mm (0.13 in)
Cell	72 multicrystalline solar cells
Back Sheet	Composite film
Frame	Anodized aluminum frame
Junction Box	IP-67 rated with 3 bypass diodes
Connector Type & Cables	MC4 / MC4 Compatible: 1 x 4 mm ² , Length: each 1.2 m (47.24 in)

Operating Conditions

Operating Temperature	-40 ~ +85 °C
Ambient Temperature Range	-40 ~ +45 °C
Max. System Voltage IEC / UL	1000V / 1000V
Serial Fuse Rating	15A
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

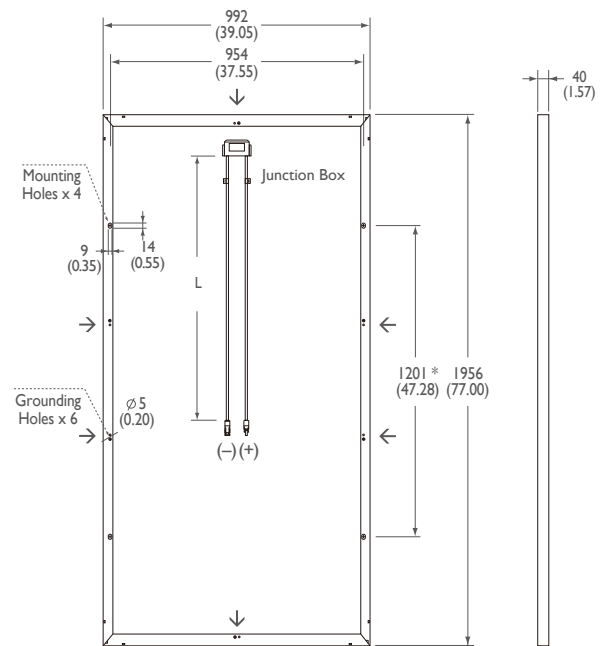
*1: Please refer to warranty letter for detail

*2: Please confirm other certifications with official dealers

Packing Configuration

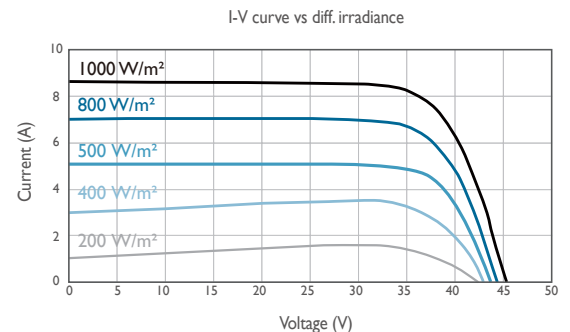
Container	20' GP	40' GP	40' HQ
Pieces per Pallet	26	26	26
Pallets per Container	5	11	22
Pieces per Container	130	286	572

Dimensions mm (inch)



* Distance between two Mounting Holes
 → Grounding Holes

I-V Curve



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



About AU Optronics

AU Optronics (AUO) is a leading global manufacturer of TFT-LCD committed to providing green solutions to its worldwide customers in a manner that is sustainable and friendly to the environment. In addition to its strengths in product and technological innovation, AUO stresses its commitment to going green and to utilizing manufacturing excellence to develop high efficiency solar solutions for residential, commercial, and utility segments.



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