



SunForte PM096BW0

Mono-Crystalline Photovoltaic Module



Power Range
327Wp



Strong Wind Resistance
Dynamic mechanical loading 4 times
higher than the IEC requirement



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



Back Contact Cells
No string in the front side enhances light
conversion space



PID-Resistance
Certified high PID resistance passing
1000-hour tough environmental test



Superior Performance at High Temperatures
Less power loss in hot weather conditions due
to the low temperature coefficient



SunForte PM096BW0 (327Wp)

Electrical Data (STC)

Nominal Power P_N	327W
Module Efficiency	20.1% / 20.4%*
Nominal Voltage V_{mp} (V)	54.7
Nominal Current I_{mp} (A)	5.98
Open Circuit Voltage V_{oc} (V)	64.9
Short Circuit Current I_{sc} (A)	6.46
Maximum Tolerance of P_N	0 / +5%

* 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
 * Based on the average power measured during module production

Temperature Coefficient

NOCT	45 ± 2 °C
Typ. Temperature Coefficient of P_N	-0.38 % / K
Typ. Temperature Coefficient of V_{oc}	-0.27 % / K
Temperature Coefficient of I_{sc}	0.05 % / 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)	1559 x 1046 x 46 mm (61.38 x 41.18 x 1.81 in)*
Weight	18.6 kg (41.0 lbs)
Front Glass	High transmission tempered glass with AR-Tech, 3.2 mm (0.13 in)
Cell	96 high efficiency back contact cells
Back Sheet	Composite film
Frame	Anodized aluminum frame
Junction Box	IP-65 rated with 3 bypass diodes
Connector Type	MC4 compatible

* Module Dimension (L x W) Tolerance: ± 2mm (0.079 in)

Operating Conditions

Operating Temperature	-40 ~ +85 °C
Ambient Temperature Range	-40 ~ +45 °C
Max. System Voltage	1000 V
Serial Fuse Rating	15A
Max. Snow / Wind Load	5400 Pa / 2400 Pa
Max. Dynamic Mechanical Load	4000 Pa

Warranties and Certifications

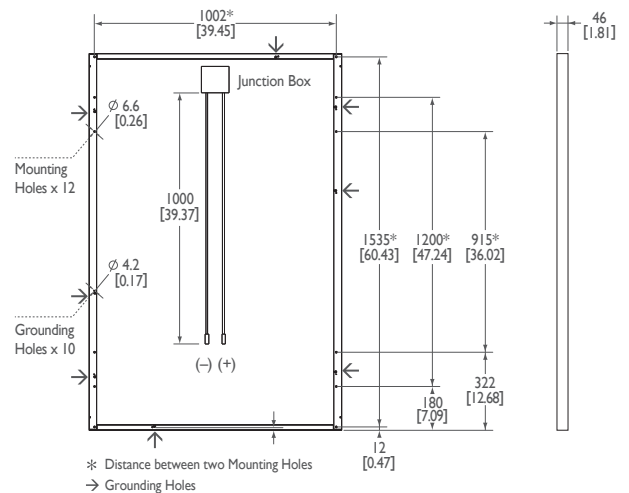
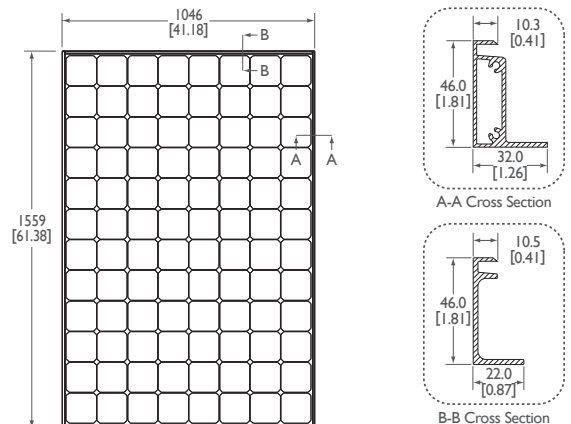
Product Warranty	Maximum 25 years for material and workmanship
Performance Guarantee	Guaranteed output of 95% for 5 years and linear degradation to 87% for 25 years
Certifications	According to IEC/EN 61215, IEC/EN 61730, ICIM, MCS, JET, NREC guidelines*

* Please confirm other certifications with official dealers

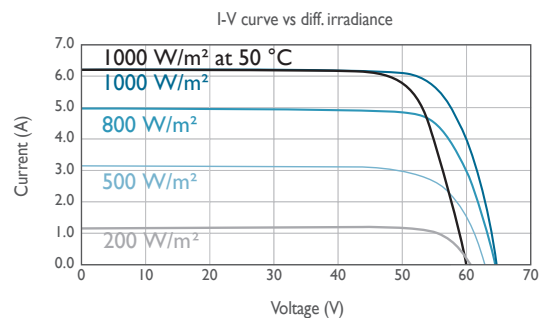
Packing Configuration

Container	20' GP	40' GP	40' HQ
Pieces per Pallet	22	22	22
Pallets per Container	6	14	28
Pieces per Container	132	308	616

Dimensions mm (inch)



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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