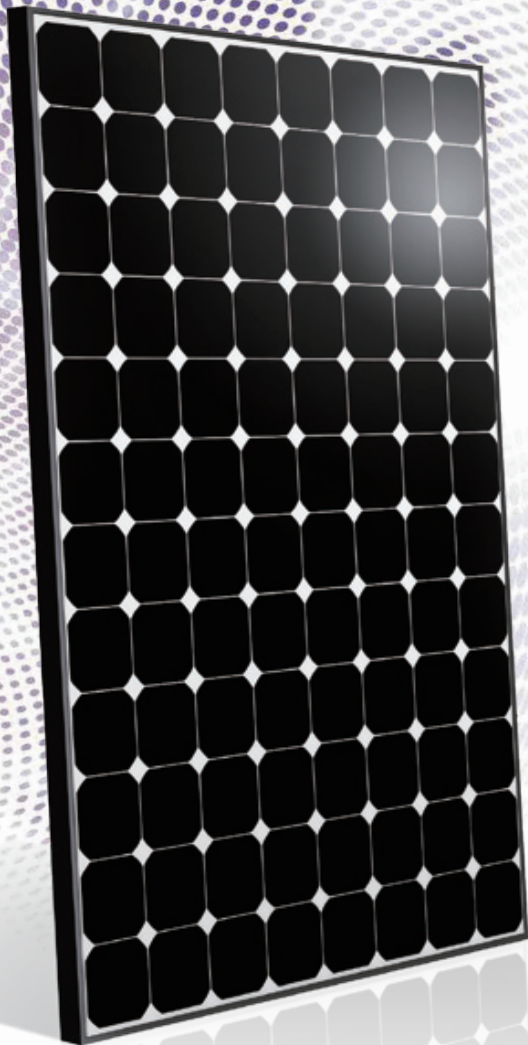


# SunForte PM096B00

Mono-Crystalline Photovoltaic Module



**Power Range**  
320 ~ 335 Wp



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



**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



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



**PID-Resistance (up to Diamond Level)**  
Certified high PID resistance



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



BenQ  
Solar

# SunForte PM096B00 (320 ~ 335 W<sub>p</sub>)

## Electrical Data

Typ. Nominal Power P <sub>N</sub>	320W	327W	330W	335W
Typ. Module Efficiency	19.6%	20.1%	20.3%	20.6%
Typ. Nominal Voltage V <sub>mp</sub> (V)	54.7	54.7	54.7	54.7
Typ. Nominal Current I <sub>mp</sub> (A)	5.86	5.98	6.04	6.13
Typ. Open Circuit Voltage V <sub>oc</sub> (V)	64.8	64.9	64.9	64.9
Typ. Short Circuit Current I <sub>sc</sub> (A)	6.27	6.46	6.52	6.62
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

## Temperature Coefficient

NOCT	45 ± 2 °C
Typ. Temperature Coefficient of P <sub>N</sub>	-0.33 % / K
Typ. Temperature Coefficient of V <sub>oc</sub>	-0.26 % / K
Temperature Coefficient of I <sub>sc</sub>	0.05 % / 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)	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-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)

## Operating Conditions

Operating Temperature	-40 ~ +85 °C
Ambient Temperature Range	-40 ~ +45 °C
Max. System Voltage IEC/UL	1000V / 1000V
Serial Fuse Rating	20A
Maximum Surface Load Capacity	Tested up to 5400 Pa according to IEC 61215 (advanced test)

## Warranties and Certifications

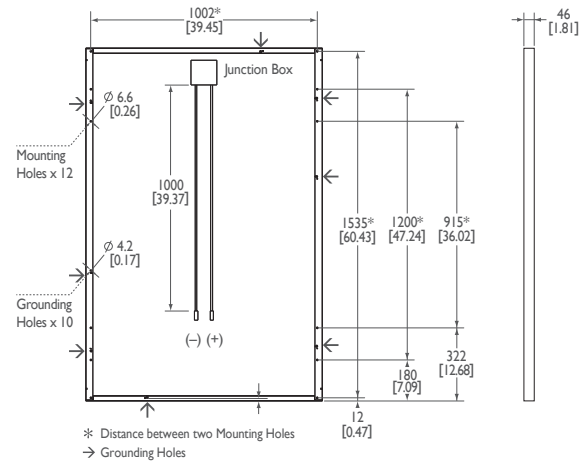
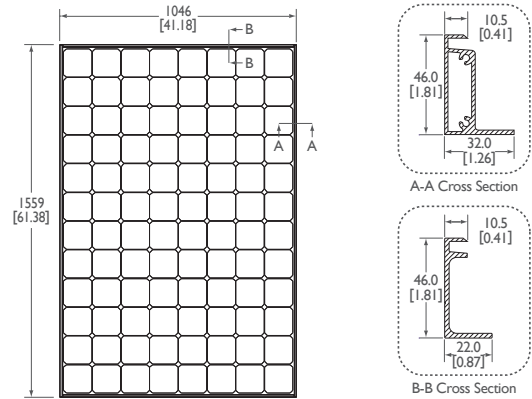
Product Warranty	Maximum 25 years for material and workmanship
Performance Guarantee	Guaranteed output of 95%* <sup>1</sup> for 5 years and linear degradation to 87% for 25 years
Certifications	According to IEC/EN 61215, IEC/EN 61730, UL 1703, ICIM, MCS, JET, NREC, VPC guidelines* <sup>2</sup>

\*<sup>1</sup> The performance guarantee with power output of 97% or 98% for 5 years is optional.  
\*<sup>2</sup> Please confirm other certifications with official dealers

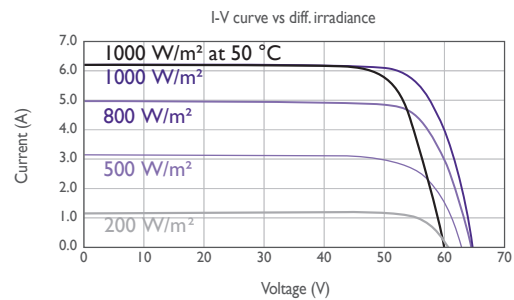
## Packing Configuration

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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