

# SunForte PM096B00

Mono-Crystalline  
Photovoltaic Module



20%  
EFF.

315W<sub>2</sub>  
327W

#### Power Range

315 ~ 327Wp



#### 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



#### Transformer less

Validates the compatibility with transformer-less inverters at high system voltage.



PID-Free



BenQ  
Solar

# SunForte PM096B00 (315~327Wp)

## Electrical Data

Typ. Nominal Power $P_N$	315 W	320 W	325 W	327 W
Typ. Module Efficiency	19.3%	19.6%	19.9%	20.1%
Typ. Nominal Voltage $V_{mp}$ (V)	54.7	54.7	54.7	54.7
Typ. Nominal Current $I_{mp}$ (A)	5.76	5.86	5.94	5.98
Typ. Open Circuit Voltage $V_{oc}$ (V)	64.6	64.8	64.9	64.9
Typ. Short Circuit Current $I_{sc}$ (A)	6.14	6.27	6.39	6.46
Maximum Tolerance of $P_N$	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  $P_N$ . The classification is performed according to  $P_N$ .

## 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 $I_{sc}$	0.06 % / 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, 125 x 125 mm (5" x 5")
Back Sheet	Composite film
Frame	Anodized aluminum frame
Junction Box	IP-67 rated with 3 bypass diodes
Cables	1 x 4 mm <sup>2</sup> (0.04 x 0.16 inch <sup>2</sup> ), length: each 1.0 m (39.37 in)
Connector Type	MC4 compatible

## Operating Conditions

Operating Temperature	-40 ~ +80 °C
Ambient Temperature Range	-40 ~ +45 °C
Max. System Voltage IEC	1000 V
Serial Fuse Rating	20A
Maximum Surface Load Capacity	Tested up to 5400 Pa according to IEC 61215 (advanced test)

## Warranties and Certifications

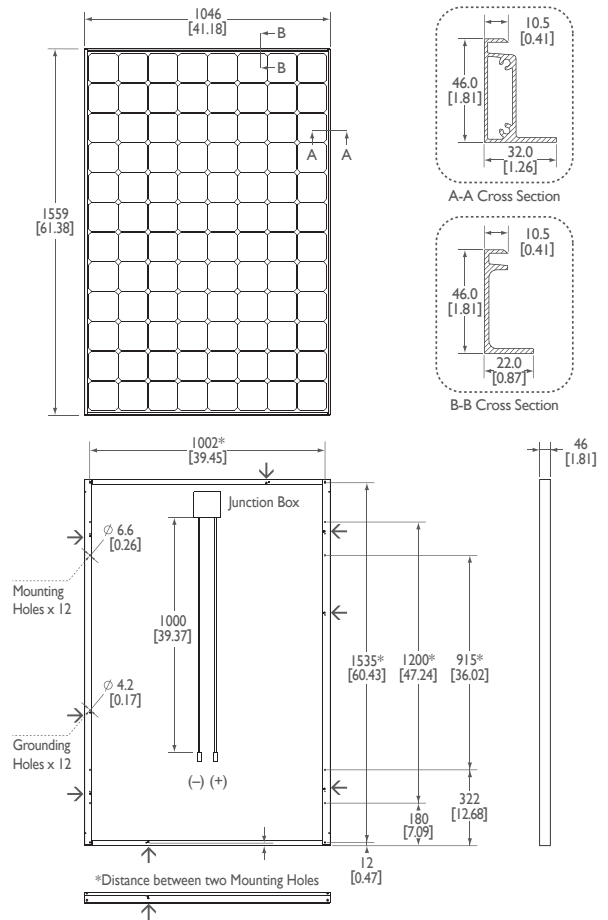
Product Warranty	Maximum 10 years for material and workmanship
Performance Guarantee	Guaranteed output of 90% for 10 years and 80% for 25 years
Certifications	According to IEC 61215, IEC 61730 and UL 1703 guidelines *

- \* Please confirm other certifications with official dealers

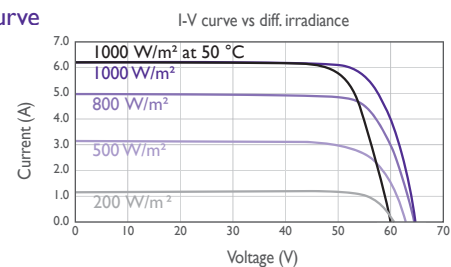
## Packing configuration

Container	20' GP	40' GP	40' HQ
Pieces per pallet	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.

Dealer Stamp



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