



# SunForte PM096B00

Mono-Crystalline Photovoltaic Module



Power Range  
325 ~ 335 Wp



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



Enhanced Salt Mist and Humidity Resistance  
12 times more salt-mist resistant and  
40% more moisture exclusion



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



IP-68 Potted Junction Box  
Better protection of electrical components from  
humidity and high temperature



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 PM096B00 (325 ~ 335 Wp)

## Electrical Data ( STC )

Nominal Power $P_N$	325W	327W	330W	335W
Module Efficiency	19.6%	20.1%	20.3%	20.6%
Nominal Voltage $V_{mp}$ (V)	54.7	54.7	54.7	54.7
Nominal Current $I_{mp}$ (A)	5.86	5.98	6.04	6.13
Open Circuit Voltage $V_{oc}$ (V)	64.8	64.9	64.9	64.9
Short Circuit Current $I_{sc}$ (A)	6.27	6.46	6.52	6.62
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

## Electrical Data ( NOCT )

Nominal Power $P_N$	234W	235W	237W	241W
Nominal Voltage $V_{mp}$ (V)	49.4%	49.4%	49.4%	49.4%
Nominal Current $I_{mp}$ (A)	4.74	4.77	4.81	4.89
Open Circuit Voltage $V_{oc}$ (V)	60.2	60.2	60.2	60.2
Short Circuit Current $I_{sc}$ (A)	5.23	5.26	5.3	5.39

\* Above data are the effective measurement at Normal Operation Cell Temperature (NOCT)  
 \* NOCT: irradiance 800 W/m<sup>2</sup>, AM 1.5, air temperature 20 °C, wind speed 1 m/s

## Temperature Coefficient

NOCT	45 ± 2 °C
Typ. Temperature Coefficient of $P_N$	-0.33 % / K
Typ. Temperature Coefficient of $V_{oc}$	-0.26 % / K
Temperature Coefficient of $I_{sc}$	0.05 % / K

## 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-68 rated with 3 bypass diodes
Connector Type	MC4 KST4/KBT4: 1 x 4 mm <sup>2</sup> (0.04 x 0.16 in <sup>2</sup> )

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

## Operating Conditions

Operating Temperature	-40 ~ +85 °C
Ambient Temperature Range	-40 ~ +45 °C
Max. System Voltage	1000 V
Serial Fuse Rating	20 A
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%*1 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*2

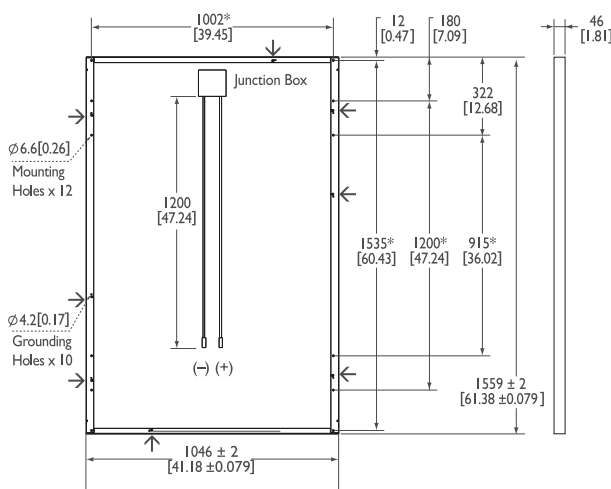
\*1: The performance guarantee with power output of 97% or 98% for 5 years is optional.

\*2: Please confirm other certifications with official dealers

## Packing Configuration

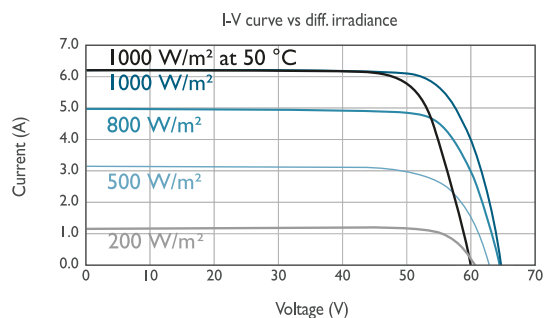
Container	20' GP	40' GP	40' HQ
Pieces per Pallet	22	22	22
Pallets per Container	6	14	28
Pieces per Container	132	308	616

## Dimensions mm (inch)



\* 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.



AU Optronics Corporation  
 No. 1, Li-Hsin Rd. 2, Hsinchu Science Park, Hsinchu 30078, Taiwan  
 Tel: +886-3-500-8899 solar.AUO.com

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