Iris Hellas
Technology Innovations
www.irishellas.com

SunForte
PM096B00

Mono-Crystalline Photovoltaic Module

20+% EFF.

325W ~ 335W

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

All-Back Contact

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

IP 68

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

PID RESISTANCE

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

ICIM

ASSEMBLED IN TAIWAN

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/m², 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/m², 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 mm² (0.04 x 0.16 in²)

* 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

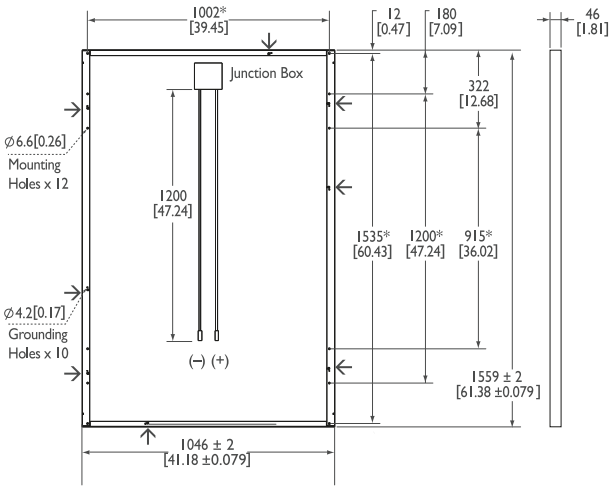
Product Warranty	Maximum 25 years for material and workmanship
Performance Guarantee	Guaranteed output of 95% *1 for 5 years and linear degradation to 87% for 25 years
Certifications	According to IEC/EN 61215, IEC/EN 61730, UL 1703, ICIM, MCS, JET, NREC, VPC guidelines *2

*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

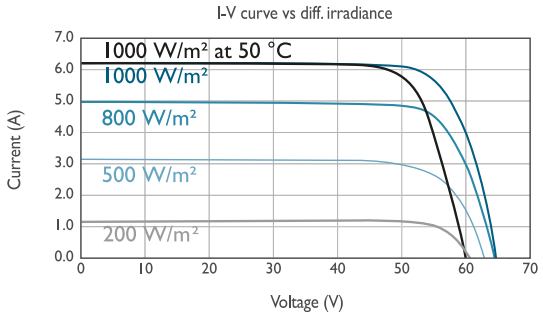
Container	20' GP	40' GP	40' HQ
Pieces per Pallet	22	22	22
Pallets per Container	6	14	28
Pieces per Container	132	308	616

Dimensions mm (inch)



* Distance between two Mounting Holes
→ Grounding Holes

I-V Curve



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

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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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