SunForte PM096B00

Mono-Crystalline Photovoltaic Module







Power Range 320 ~ 330 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



No string in the front side enhances light conversion space

Back Contact Cells



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



Anti-Reflection Coated Glass Anti-reflective surface enhances the power performance







SunForte PM096B00 (320 ~ 330 Wp)

Electrical Data

Typ. Nominal Power PN	320 W	325W	327 W	330 W
Typ. Module Efficiency	19.6%	19.9%	20.1%	20.3%
Typ. Nominal Voltage V_{mp} (V)	54.7	54.7	54.7	54.7
Тур. Nominal Current Imp (А)	5.86	5.94	5.98	6.04
Typ. Open Circuit Voltage Voc (V)	64.8	64.9	64.9	64.9
Typ. Short Circuit Current Isc (A)	6.27	6.39	6.46	6.52
Maximum Tolerance of PN		0/+39	%	

• Above data are the effective measurement at Standard Test Conditions (STC) • STC: irradiance 1000 W/m², spectral distribution AM 1.5, temperature 25 \pm 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 PN. The classifications is performed according to PN

Temperature Coefficient

NOCT	45 ± 2 °C
Typ. Temperature Coefficient of $P_{\mbox{\tiny N}}$	-0.38 % / K
Typ.Temperature Coefficient of Voc	-0.27 % / K
Temperature Coefficient of Isc	0.06 % / 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 ($L \times W \times H$)	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 in)
Back Sheet	Composite film
Frame	Anodized aluminum frame
Junction Box	IP-67 rated with 3 bypass diodes
Connector Type & Cables	TE Connectivity PV4: $1 \times 4 \text{ mm}^2$ (0.04 x 0.16 in ²), Length: each I.0 m (39.37 in)

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 95% for 5 years and linear degradation to 87% for 25 years
Certifications	According to IEC/EN 61215 and IEC/EN 61730 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

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