

265-275_w



POLY CRYSTALLINE SOLAR MODULE

Features



High module conversion efficiency

16.8%

Module efficiency up to 16.8% achieved through advanced cell technology and manufacturing capabilities



High PID resistant

Advanced cell technology and qualified materials lead to high resistance to PID



Positive tolerance Positive tolerance of up to 5W delivers higher output reliability

0/+5W



Triple 100%

Electroluminescence (EL) tests minimize breakage rate



Extended wind and snow load tests

3800Pa
5400Pa

Module certified to withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal)



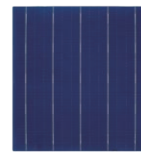
Withstanding harsh environment

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

PRODUCT CERTIFICATES



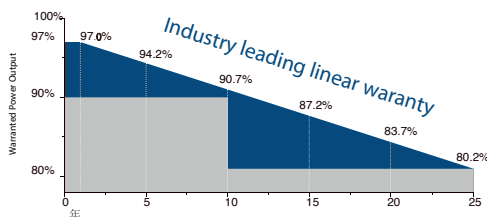
- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- MANAGEMENT SYSTEM
- ISO 9001: Quality management system
- ISO 14001: Standard for environmental management system
- OHSAS 18001: International standard for occupational health and safety assessment system
- Long-term reliability tests



Special 5 busbar design

The unique cell design leads reduction in electrodes resistance, shading area and raise in conversion efficiency. Residual stress distribution can be more even, reducing the micro-cracks risks.

Industry-leading Warranty based on nominal power



10 年 Guarantee on product material and workmanship

25 年 Linear power output warranty

Safety



Tested for harsh environments (salt mist, ammonia corrosion and sand blowing testing: IEC 61701, IEC 62716, DIN EN 60068-2-68)***



Safety for fire risk (Class C)

Specifications are subject to change without prior notice.



Electrical Characteristics (STC)

Module Type	265-6PB	270-6PB	275-6PB
Maximum Power at STC -Pmp (W)	265	270	275
Open Circuit Voltage -Voc (V)	37.8	37.9	38.1
Short Circuit Current -Isc (A)	9.02	9.15	9.27
Maximum Power Voltage -Vmp (V)	31.0	31.1	31.2
Maximum Power Current -Imp (A)	8.56	8.69	8.82
Module Efficiency STC-ηm (%)	16.3	16.6	16.9

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

Electrical Characteristics (NOCT)

Module Type	265-6PB	270-6PB	275-6PB
Maximum Power at NOCT -Pmp (W)	194	198	200.6
Open Circuit Voltage -Voc (V)	34.8	34.8	34.9
Short Circuit Current - Isc (A)	7.32	7.42	7.5
Maximum Power Voltage -Vmp (V)	28.3	28.4	28.5
Maximum Power Current -Imp (A)	6.86	6.97	7.05

NOCT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

Power Tolerance (W)	(0,+5)
Maximum System Voltage (V)	1000 V DC (IEC)
Maximum Series Fuse Rating (A)	20

Temperature Characteristics

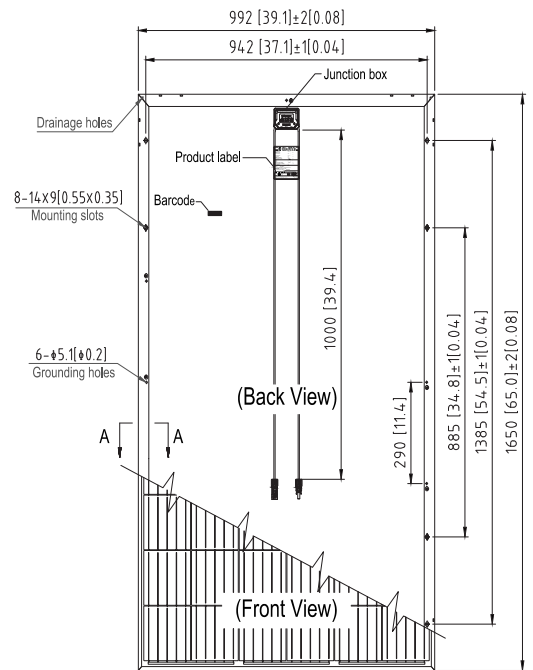
Pmax Temperature Coefficient	-0.41 %/°C
Voc Temperature Coefficient	-0.33 %/°C
Isc Temperature Coefficient	+0.067 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

Packing Configuration

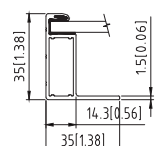
Container	20'GP	40'HC
Pieces per Pallet	30	30
Pallets per Container	6	28
Pieces per Container	180	840

Mechanical Characteristics

External Dimensions	1650 × 992 × 35mm (64.96 × 39.1 × 1.4 inches)
Weight	18.3 kgs (40.3 lbs.)
Solar Cells	Poly crystalline 156.75 × 156.75 mm (60PCS)
Front Glass	3.2 mm (0.13 inches) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	TUV (2Pfg1169:2007), 4.0 mm ² (0.006 inches ²), symmetrical lengths (-) 900mm (35.4 inches) and (+) 900 mm (35.4 inches)
Connectors	MC4 compatible
Mechanical Load	5400 Pa



Section A-A



* All Dimensions in mm
* The above drawing is a graphical representation of the product. For engineering quality drawings please contact shunfeng suntech

Note:mm[inch]

Current-Voltage & Power-Voltage Curve(275-20)

