Superpoly STP360 - 24H/Vfh
STP355 - 24H/Vfh
STP350 - 24H/Vfh

SUNTECH

360 Watt
POLY HALF CELL SOLAR MODULE

Features

High power output
Compared to normal module, the power output can increase 5W-10W

Suntech current sorting process
System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage

Excellent weak light performance
More power output in weak light condition, such as haze,cloudy ,and morning

lower hot spots
Reduce the hot spots and minimize panel degradation

Extended wind and snow load tests
Module certified to withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal) *

High system voltage Compatible
Maximum 1500 V DC system voltage reduces total system cost

Certifications and standards:
IEC 61215, IEC 61730, conformity to CE

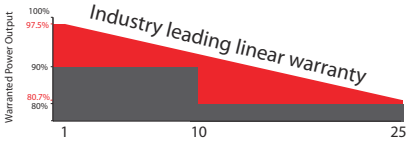
Trust Suntech to Deliver Reliable Performance Over Time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO 9001: 2008, ISO 14001: 2004 and ISO17025: 2005
- Regular independently checked production process from international accredited institute/company
- Long-term reliability tests
- 2 x 100% EL inspection ensuring defect-free

Special Cell Design

The unique cell design leads to reduced electrodes resistance and smaller current, thus enables higher fill factor. Meanwhile, it can reduce losses of mismatch and cell wear, and increase total reflection.

Industry-leading Warranty based on nominal power



- 97.5% in the first year, thereafter, for years two (2) through twenty-five (25), 0.7% maximum decrease from MODULE's nominal power output per year, ending with the 80.7% in the 25th year after the defined WARRANTY STARTING DATE.***
- 12-year product warranty
- 25-year linear performance warranty

IP68 Rated Junction Box

The Suntech IP68 rated junction box ensures an outstanding waterproof level, supports installations in all orientations and reduces stress on the cables. High reliable performance, low resistance connectors ensure maximum output for the highest energy production.

* Please refer to Suntech Standard Module Installation Manual for details. **WEEE only for EU market.
*** Please refer to Suntech Product Warranty for details.
Made in China

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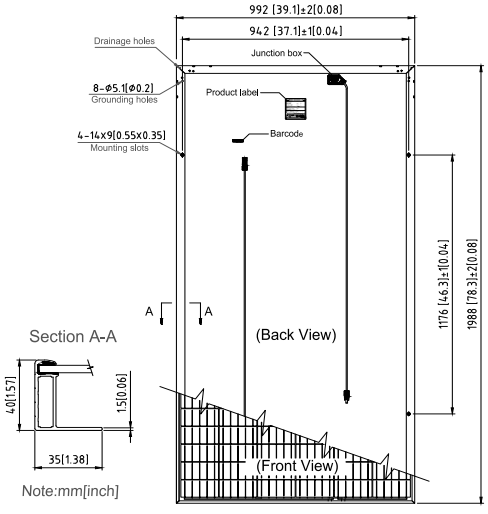


Electrical Characteristics

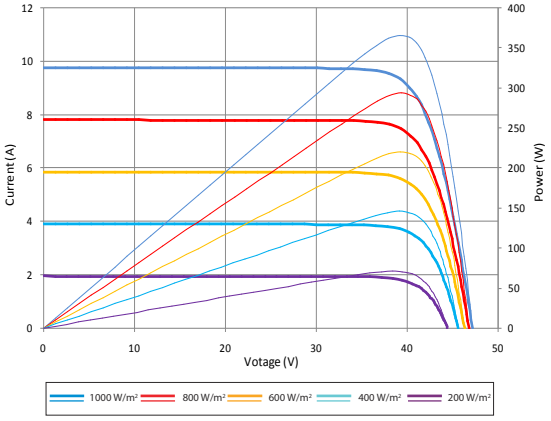
STC	STP360-24H/ Vfh	STP355-24H/ Vfh	STP350-24H/ Vfh
Maximum Power at STC (Pmax)	360 W	355 W	350 W
Optimum Operating Voltage (Vmp)	39.6 V	39.4 V	39.2 V
Optimum Operating Current (Imp)	9.1 A	9.02 A	8.93 A
Open Circuit Voltage (Voc)	47.0 V ± 5%	46.8 V ± 5%	46.6 V ± 5%
Short Circuit Current (Isc)	9.68 A ± 5%	9.6 A ± 5%	9.52 A ± 5%
Module Efficiency	18.3 %	18.0 %	17.7 %
Operating Module Temperature	-40 °C to +85 °C		
Maximum System Voltage	1500 V DC (IEC)		
Maximum Series Fuse Rating	20 A		
Power Tolerance	0/+5 W		

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%

NMOT	STP360-24H/ Vfh	STP355-24H/ Vfh	STP350-24H/ Vfh
Maximum Power at NMOT (Pmax)	265.8 W	261.1 W	257 W
Optimum Operating Voltage (Vmp)	35.7 V	35.5 V	35.3 V
Optimum Operating Current (Imp)	7.45 A	7.36 A	7.28 A
Open Circuit Voltage (Voc)	43.2 V	43.0 V	42.8 V
Short Circuit Current (Isc)	7.85 A	7.78 A	7.72 A

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%

Current-Voltage & Power-Voltage Curve (360)



Temperature Characteristics

Nominal Module Operating Temperature (**NMOT**)	45±2°C
Temperature Coefficient of Pmax	-0.39 %/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.067 %/°C

Mechanical Characteristics

Solar Cell	Polycrystalline silicon 6 inches
No. of Cells	144 (6 × 24)
Dimensions	1988 × 992 × 40mm (78.3× 39.1 × 1.6 inches)
Weight	22.3 kgs (49.2 lbs.)
Front Glass	3.2 mm (0.13 inches) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	4.0 mm² (0.006 inches²), symmetrical lengths (-) 1400mm (55.12 inches) and (+) 1400 mm (55.12 inches)
Connectors	Genuine MC4

Dealer information

Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	26	26
Pallets per container	5	22
Pieces per container	130	572

Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.