HyPro STP385S - 24/Vfh
STP380S - 24/Vfh
STP375S - 24/Vfh

SUNTECH

385 Watt
MONO 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

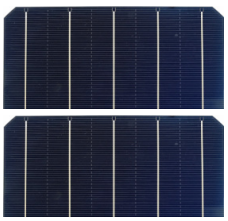
Extended load tests
Module certified to withstand front side maximum static test load (5400 Pascal) and rear side maximum static test loads (3800 Pascal) *

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

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

Trust Suntech to Deliver Reliable Performance Over Time

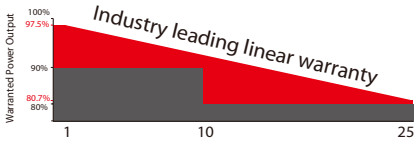
- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO 9001: 2008, ISO 14001: 2004 and ISO17025: 2005
- Regular independently checked production process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



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

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 Near-coast Installation Manual for details. **** Please refer to Suntech Product Warranty for details.
Made in China

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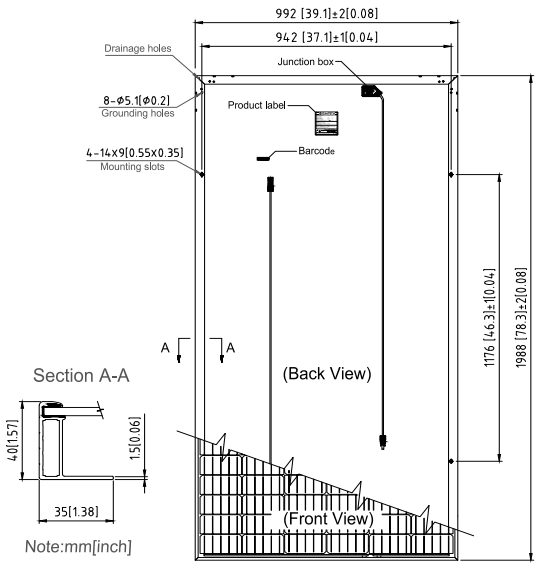


Electrical Characteristics

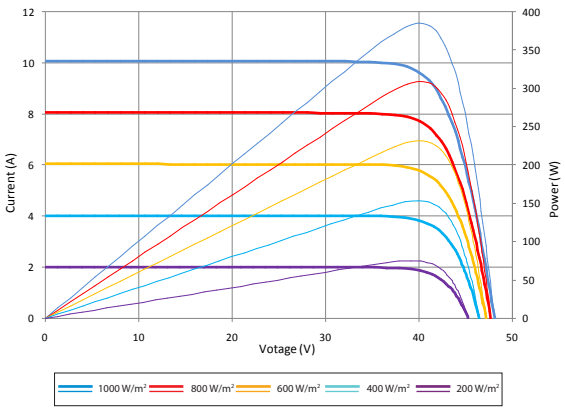
STC	STP385S-24/ Vfh	STP380S-24/ Vfh	STP375S-24/ Vfh
Maximum Power at STC (Pmax)	385 W	380 W	375 W
Optimum Operating Voltage (Vmp)	40.3 V	40.1 V	39.9 V
Optimum Operating Current (Imp)	9.56 A	9.48 A	9.40 A
Open Circuit Voltage (Voc)	48.1 V	47.9 V	47.7 V
Short Circuit Current (Isc)	10.07 A	9.99 A	9.91 A
Module Efficiency	19.5%	19.3%	19.0%
Operating Module Temperature	-40 °C to +85 °C		
Maximum System Voltage	1000 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;
Tolerances of Pmax, Voc and Isc are all within +/- 5%.

NMOT	STP385S-24/ Vfh	STP380S-24/ Vfh	STP375S-24/ Vfh
Maximum Power at NMOT (Pmax)	288.1 W	284.8 W	281.0 W
Optimum Operating Voltage (Vmp)	37.2 V	37.1 V	36.9 V
Optimum Operating Current (Imp)	7.74 A	7.68 A	7.62 A
Open Circuit Voltage (Voc)	44.8 V	44.7 V	44.5 V
Short Circuit Current (Isc)	8.14 A	8.07 A	8.01 A

NMOT: Irradiance 800 W/m2, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;

Current-Voltage & Power-Voltage Curve (385S)



Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42±2°C
Temperature Coefficient of Pmax	-0.37 %/°C
Temperature Coefficient of Voc	-0.34 %/°C
Temperature Coefficient of Isc	0.060 %/°C

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 6 inches
No. of Cells	144 (6 × 24)
Dimensions	1988 × 992 × 40mm (78.3× 39.1 × 1.6inches)
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