HyPro
STP395S - 72/Pfd+
STP390S - 72/Pfd+
STP385S - 72/Pfd+

SUNTECH

395 Watt
MONOCRYSTALLINE BIFACIAL SOLAR MODULE

Features

Higher power output
The power generation can increase up to 25%

Higher power output

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

Weak Light

Distributed junction box
Special distributed junction box design avoids shading on the back side

Distributed junction box

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

0/+5W

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

3800 Pa 5400 Pa

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

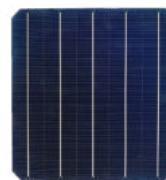*Harsh environment*

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

DVE · CE · MCS · WEEE SOLAR PV **

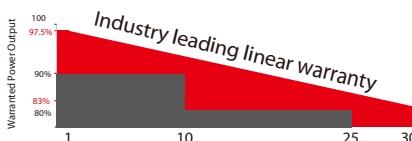## Trust Suntech to Deliver Reliable Performance Over Time

- 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

High efficiency Bifacial PERC cell

By using bifacial PERC cell and double glass technology, the frontside power can reach to 395W, and the backside power generation can increase up to 25%.

Industry-leading Warranty based on nominal power

Industry leading linear warranty

Warranted Power Output

100 / 97.5% / 90% / 83% / 80%
1 · 10 · 25 · 30

- 97.5% in the first year, thereafter, for years two (2) through thirty (30), 0.5% maximum decrease from MODULE's nominal power output per year, ending with the 83% in the 30th year after the defined WARRANTY STARTING DATE.***
- 12-year product warranty
- 30-year linear performance warranty
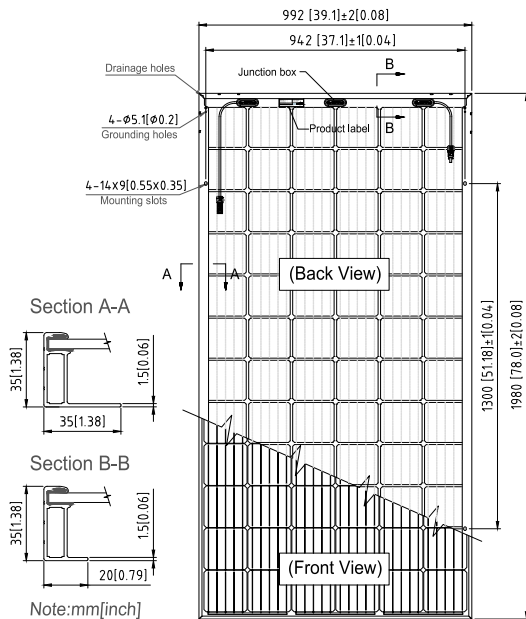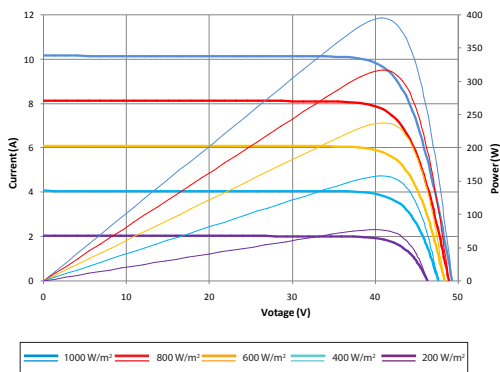
IP68 Rated Junction Box

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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992 [39.1]±2[0.08]
942 [37.1]±1[0.04]

Drainage holes
Junction box
B

4−Ø5.1[Ø0.2]
Grounding holes
Product label
B

4−14×9[0.55×0.35]
Mounting slots

A   A   (Back View)

Section A-A

35[1.38]   1.5[0.06]
35[1.38]

1300 [51.18]±1[0.04]
1980 [78.0]±2[0.08]

Section B-B

35[1.38]   1.5[0.06]
20[0.79]   (Front View)

Note:mm[inch]

Electrical Characteristics

STC	STP395S-72/Pfd+	STP390S-72/Pfd+	STP385S-72/Pfd+
Maximum Power at STC (Pmax)	395 W	390 W	385 W
Optimum Operating Voltage (Vmp)	40.8 V	40.6 V	40.4 V
Optimum Operating Current (Imp)	9.69 A	9.61 A	9.54 A
Open Circuit Voltage (Voc)	49.3 V	49.1 V	48.9 V
Short Circuit Current (Isc)	10.16 A	10.08 A	10.00 A
Module Efficiency	20.1%	19.9%	19.6%
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;
Tolerances of Pmax, Voc and Isc are all within +/- 5%.

NMOT	STP395S-72/Pfd+	STP390S-72/Pfd+	STP385S-72/Pfd+
Maximum Power at NMOT (Pmax)	297.3 W	293.4 W	289.2 W
Optimum Operating Voltage (Vmp)	38.1 V	37.9 V	37.8 V
Optimum Operating Current (Imp)	7.8 A	7.74 A	7.66 A
Open Circuit Voltage (Voc)	46.2 V	46.0 V	45.8 V
Short Circuit Current (Isc)	8.21 A	8.15 A	8.08 A

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

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

Current-Voltage & Power-Voltage Curve (395S)

1000 W/m²   800 W/m²   600 W/m²   400 W/m²   200 W/m²

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 6 inches
No. of Cells	72 (6 × 12)
Dimensions	1980 × 992 × 35 mm (78 × 39.1 × 1.4 inches)
Weight	26.1 kgs (57.5 lbs.)
Front/Back Glass	2.0 mm (0.079 inches) semi-tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Output Cables	4.0 mm² (0.006 inches²), unsymmetrical lengths (-) 350mm (13.8 inches) , (+) 160 mm (6.3 inches)
Connectors	Genuine MC4

Dealer information

Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	30	30
Pallets per container	5	22
Pieces per container	150	660

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.