

STP370S - 24/Vfg

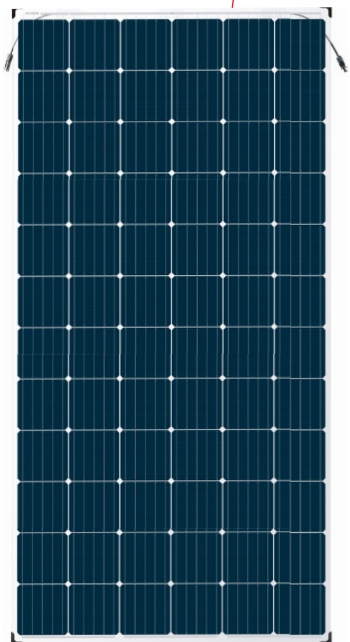
STP365S - 24/Vfg

STP360S - 24/Vfg



370Watt

MONOCRYSTALLINE DOUBLE SIDED SOLAR MODULE



Features



Higher module conversion efficiency

The power generation can increase 30% the highest



PID Free

Potential induced degradation (PID) free guaranteed



Low risk of micro-cracks

No internal stress from the symmetrical N-Bifacial cell scheme



Better Weak Illumination Response

Lower temperature coefficient and wide spectral response, higher power output, even under low-light settings



Zero light degradation (LID)

No LID, more power generation



Better reliability

Successfully passed various strict tests

- 6 Salt Mist Corrosion Test
- Triple IEC Test
- 6-time PID Test

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



Trust Suntech to Deliver Reliable Performance Over Time

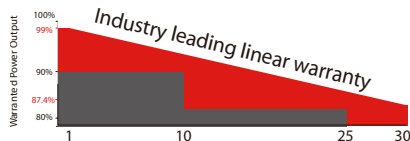
- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO 9001: 2008, ISO 14001: 2004 and ISO17025: 2005
- Regular independently checked production process from international accredited institute/company
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing testing: IEC 61701, IEC 62716, DIN EN 60068-2-68)
- Long-term reliability tests
- 2 x 100% EL inspection ensuring defect-free

High efficiency N-type double-sided mono cell



With high efficiency N-type double-sided mono cell, the maximum power can reach to 300W; integrated with white coating on the floor, the maximum total power can reach to 390W.

Industry-leading Warranty based on nominal power



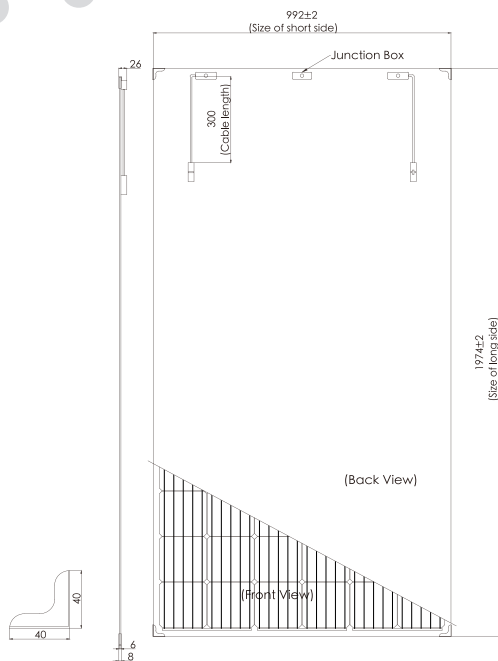
- 99% in the first year, thereafter, for years two (2) through thirty (30), 0.4% maximum decrease from MODULE's nominal power output per year, ending with the 87.4% in the 30th year after the defined WARRANTY STARTING DATE.
- 12-year product warranty
- 30-year linear performance warranty

IP67 Rated Junction Box



IP67 rated junction box supports installations in multiple orientations. High reliable performance, low resistance connectors ensure maximum output for the highest energy production

STP370S - 24/Vfg STP365S - 24/Vfg STP360S - 24/Vfg



Electrical Characteristics

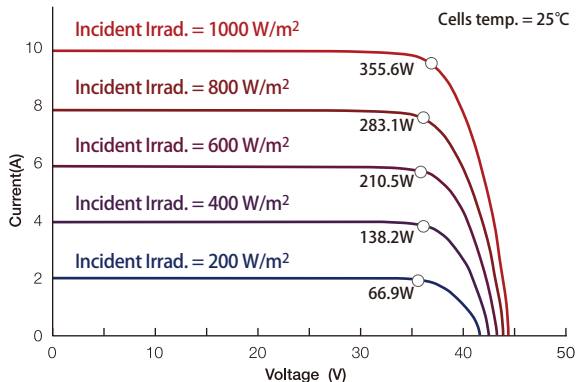
STC	STP370S-24/Vfg	STP365S-24/Vfg	STP360S-24/Vfg
Maximum Power at STC (Pmax)	370 W	365 W	360 W
Optimum Operating Voltage (Vmp)	38.4 V	38.2 V	38.1 V
Optimum Operating Current (Imp)	9.66 A	9.56 A	9.47 A
Open Circuit Voltage (Voc)	45.0 V	44.8 V	44.7 V
Short Circuit Current (Isc)	10.23A	10.14A	10.05A
Module Efficiency	18.9%	18.6%	18.4%
Operating Module Temperature	-40 °C to +85 °C		
Maximum System Voltage	1500 V DC (IEC) / 1000 V DC (UL)		
Maximum Series Fuse Rating	15 A		
Power Tolerance	0/+5 W		

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;

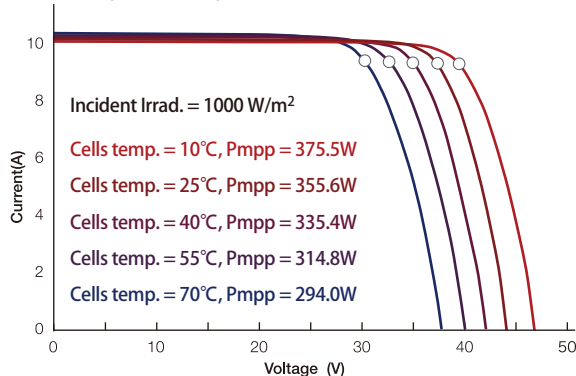
NOCT	STP370S-24/Vfg	STP365S-24/Vfg	STP360S-24/Vfg
Maximum Power at NOCT (Pmax)	272 W	268 W	265 W
Optimum Operating Voltage (Vmp)	35.2 V	35.1 V	34.9 V
Optimum Operating Current (Imp)	7.73 A	7.65 A	7.58 A
Open Circuit Voltage (Voc)	41.6 V	41.4 V	41.3 V
Short Circuit Current (Isc)	8.24 A	8.17 A	8.10 A

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

Irradiance Dependence of Isc, Voc and Pmax



Temperature Dependence of Isc, Voc and Pmax



Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	42±2°C
Temperature Coefficient of Pmax	-0.38 %/°C
Temperature Coefficient of Voc	-0.30 %/°C
Temperature Coefficient of Isc	0.048 %/°C

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 6 inches
No. of Cells	72 (6 × 12)
Dimensions	1974 × 992 × 6mm / 1978 × 996 × 6mm (C Type Edge)
Weight	27 kgs (59.5 lbs.)
Front Glass	2.5 mm (0.1 inches) tempered glass
Back Glass	2.5 mm (0.1 inches) tempered glass
Junction Box	IP67 rated (3 bypass diodes)
Output Cables	4.0 mm ² (0.006 inches ²), 300mm (11.8 inches) photovoltaic special cable
Connectors	MC4 compatible

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.