345-365 Watt

STP*XXX*S - A66H/Ssh

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
- Rigorous quality control of international standards: ISO 9001, ISO 14001 and ISO17025
- Production process regularly and independently checked by international accredited institute/company
- Long-term reliability tests
- 2 × 100% EL inspection to ensure defect-free modules

HD technology + Half-Cell

HD technology with half-cell effectively eliminates the cell gap and increases power generation area, thus improving power output. The unique circuit design decreases electrodes resistance and the current, so as to get a higher fill factor.

Industry-leading Warranty based on nominal power

* Please refer to Suntech Standard Module Installation Manual for details.
** Please refer to Suntech Product Near-coast Installation Manual for details.
made in China & Vietnam.

Electrical Characteristics

STC	STPXXXS-A66H/Ssh				
Maximum Power at STC (Pmax)	365 W	360 W	355 W	350 W	345 W
Optimum Operating Voltage (Vmp)	39.93 V	39.60 V	39.26 V	38.93 V	38.59 V
Optimum Operating Current (Imp)	9.14 A	9.09 A	9.04 A	8.99 A	8.94 A
Open Circuit Voltage (Voc)	48.00 V	47.63 V	47.25 V	46.88 V	46.49 V
Short Circuit Current (Isc)	9.73 A	9.68 A	9.63 A	9.58 A	9.53 A
Module E□ciency	20.8%	20.5%	20.2%	20.0%	19.7%
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;
Pmax tolerance +/- 3%; Voc tolerance +/- 2% ; Isc tolerance +/- 4%.

NMOT	STPXXXS-A66H/Ssh				
Maximum Power at NMOT (Pmax)	270 W	266 W	263 W	259 W	255 W
Optimum Operating Voltage (Vmp)	37.80 V	37.50 V	37.30 V	36.90 V	36.50 V
Optimum Operating Current (Imp)	7.14 A	7.10 A	7.06 A	7.02 A	6.98 A
Open Circuit Voltage (Voc)	45.60 V	45.20 V	44.90 V	44.50 V	44.20 V
Short Circuit Current (Isc)	7.85 A	7.81 A	7.77 A	7.73 A	7.69 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**)	43 ± 2 °C
Temperature Coe□cient of Pmax	-0.38%/°C
Temperature Coe□cient of Voc	-0.31%/°C
Temperature Coe□cient of Isc	0.048%/°C

Mechanical Characteristics

Solar Cell	Mono PERC 158.75mm*26.46mm
No. of Cells	396 (6 × 66)
Dimensions	1740×1008×35mm(L ×W × H)
Weight	19.0 kg
Front Glass	3.2 mm
Frame	Anodized aluminium alloy
Junction Box	IP68, 2 bypass diodes
Output Cables	4 mm², cable length 300mm(can be customized)
Connectors	MC4 EV02
Fire Class Rating	C in accordance with UL 790

Packing Configuration

Container	20′ GP	40′ HC
Pieces per pallet	30	30
Pallets per container	10	24
Pieces per container	300	720

Dealer information

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 speci□cations may vary slightly. All speci□cations are in accordance with standard EN 50380. Color di□erences of the modules relative to the □gures 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 speci□cation.