SUNTECH

HiSpec

396 HALF-CELL MONOFACIAL MODULE

345-365 Watt

STP*XXX*S - A66H/Ssh

Features

High module conversion efficiency
Module efficiency up to 20.8 % achieved through advanced cell technology and manufacturing process

Suntech current sorting process
Up to 2 % power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output

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

Lower operating temperature
Lower operating temperature and temperature coefficient increases the power output

Extended wind and snow load tests
Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) *

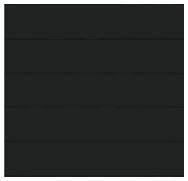
Withstanding harsh environment
Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

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

Trust Suntech to Deliver Reliable Performance Over Time

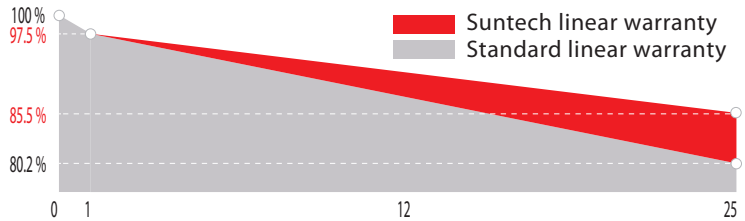
- World-class manufacturer of crystalline silicon photovoltaic modules
- Rigorous quality control of international standards: ISO 9001, ISO 14001 and ISO17025
- Production process regularly and independently checked by international accredited institute/company
- Long-term reliability tests
- 2 × 100% 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



-2.5%	-0.50%	12 years	25 years **
First year power degradation	Annual degradation	Product warranty	linear 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.

* 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.

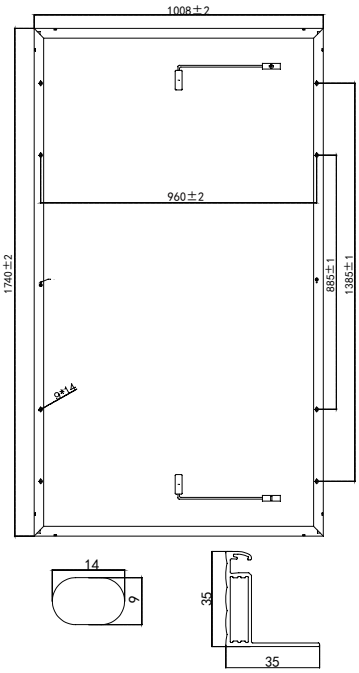
Electrical Characteristics

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 Efficiency	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

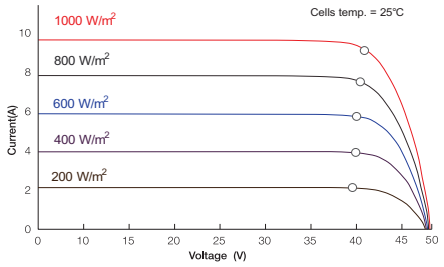
NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s.



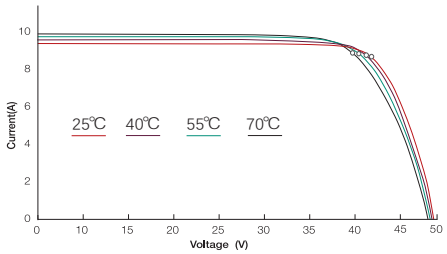
Temperature Characteristics

Nominal Module Operating Temperature (**NMOT**)	43 ± 2 °C
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.31%/°C
Temperature Coefficient of Isc	0.048%/°C

I-V curve



I-V curve



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 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.