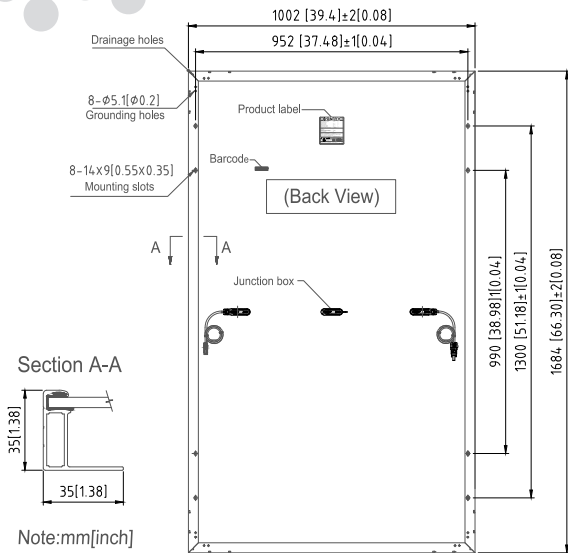


STP300 - 60/Wfh

STP295 - 60/Wfh

STP290 - 60/Wfh



Electrical Characteristics

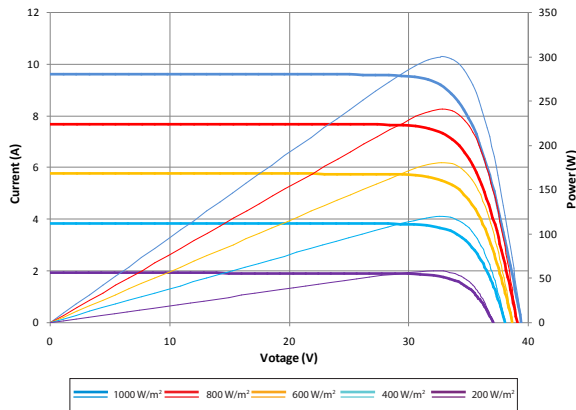
STC	STP300-60/Wfh	STP295-60/Wfh	STP290-60/Wfh
Maximum Power at STC (Pmax)	300 W	295 W	290 W
Optimum Operating Voltage (Vmp)	32.7 V	32.5 V	32.3 V
Optimum Operating Current (Imp)	9.18 A	9.08 A	8.99 A
Open Circuit Voltage (Voc)	39.4 V	39.2 V	39.0 V
Short Circuit Current (Isc)	9.62 A	9.55 A	9.47 A
Module Efficiency	17.8%	17.5%	17.2%
Operating Module Temperature	-40 °C to +85 °C		
Maximum System Voltage	1000/1500 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;
Tolerance of Pmax is +/- 3% and tolerances of Voc and Isc are all within +/- 5%.

NMOT	STP300-60/Wfh	STP295-60/Wfh	STP290-60/Wfh
Maximum Power at NMOT (Pmax)	224.1 W	221.5 W	216.8 W
Optimum Operating Voltage (Vmp)	30.3 V	30.2 V	29.8 V
Optimum Operating Current (Imp)	7.40 A	7.34 A	7.27 A
Open Circuit Voltage (Voc)	36.6 V	36.6 V	36.3 V
Short Circuit Current (Isc)	7.79 A	7.73 A	7.67 A

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

Current-Voltage & Power-Voltage Curve (300)



Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.321%/°C
Temperature Coefficient of Isc	0.050%/°C

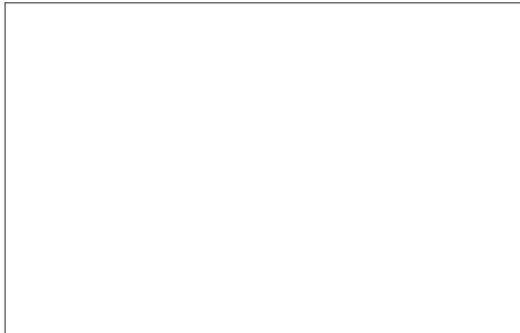
Mechanical Characteristics

Solar Cell	Polycrystalline silicon 6 inches
No. of Cells	120 (6 × 20)
Dimensions	1684 × 1002 × 35mm (66.3× 39.4 × 1.4 inches)
Weight	19.0 kgs (41.9 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 mm ² , Portrait: (-)350 mm and (+) 160 mm in length Landscape: (-)1200 mm and (+)1200 mm in length or customized length
Connectors	MC4 compatible (1000V) MC4 EVO2, Cable01S (1500V)

Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	31	31
Pallets per container	6	26
Pieces per container	186	806

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.