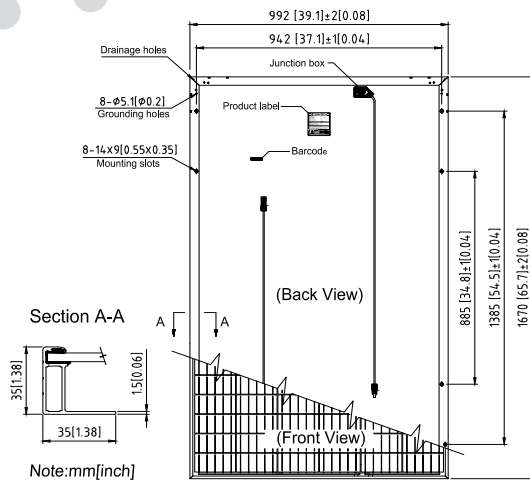


Superpoly STP295 - 20/Wfh

STP290 - 20/Wfh

STP285 - 20/Wfh



Electrical Characteristics

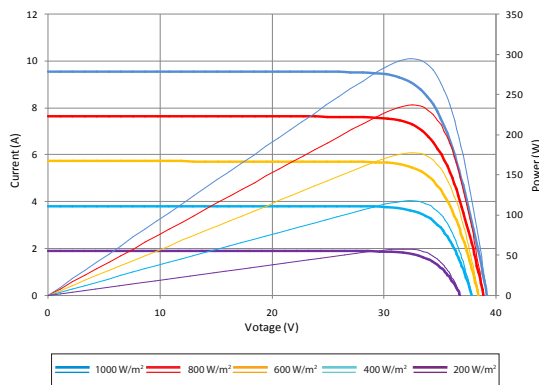
STC	STP295-20/Wfh	STP290-20/Wfh	STP285-20/Wfh
Maximum Power at STC (Pmax)	295 W	290 W	285 W
Optimum Operating Voltage (Vmp)	32.5 V	32.3 V	31.4 V
Optimum Operating Current (Imp)	9.08 A	8.99 A	9.08 A
Open Circuit Voltage (Voc)	39.2 V	39.0 V	38.3 V
Short Circuit Current (Isc)	9.55 A	9.47 A	9.48 A
Module Efficiency	17.8%	17.5%	17.2%
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; Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

NOCT	STP295-20/Wfh	STP290-20/Wfh	STP285-20/Wfh
Maximum Power at NOCT (Pmax)	217.3 W	213.9 W	210.2 W
Optimum Operating Voltage (Vmp)	29.6 V	29.4 V	28.9 V
Optimum Operating Current (Imp)	7.34 A	7.27 A	7.28 A
Open Circuit Voltage (Voc)	36.0 V	35.9 V	35.2 V
Short Circuit Current (Isc)	7.74 A	7.68 A	7.69 A

NOCT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

Current-Voltage & Power-Voltage Curve (295)



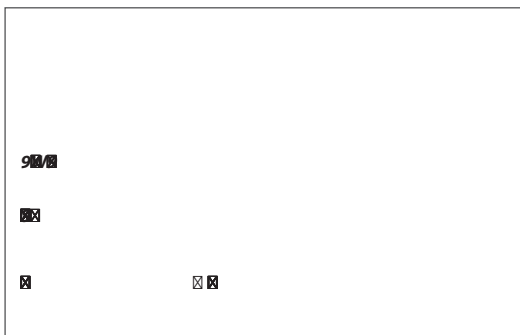
Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.41 %/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.067 %/°C

Mechanical Characteristics

Solar Cell	Polycrystalline silicon 6 inches
No. of Cells	120 (6 × 20)
Dimensions	1670 × 992 × 35mm (65.7× 39.1 × 1.4inches)
Weight	18.5 kgs (40.8 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 (0.006 inches ²), symmetrical lengths (-) 1200mm (47.24 inches) and (+) 1200 mm (47.24 inches)
Connectors	MC4 compatible

Dealer information



Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	30	30
Pallets per container	6	26
Pieces per container	180	780

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.