

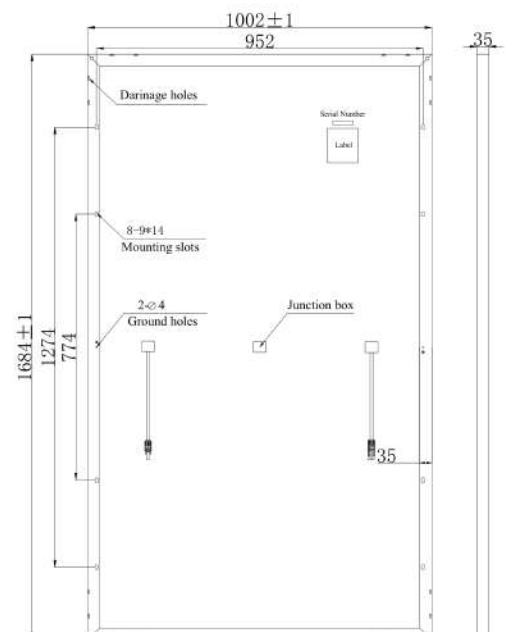
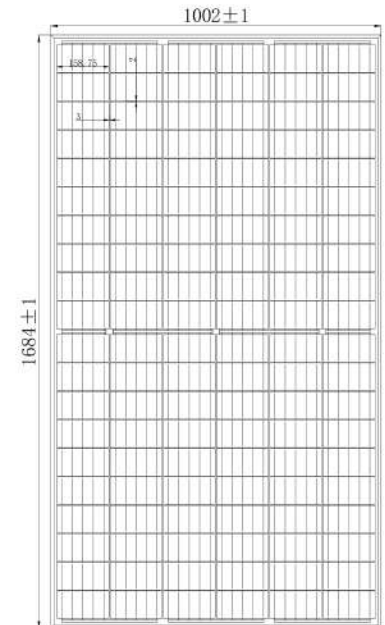
Electrical Characteristics

Model	SH-280P6-20	SH-285P6-20	SH-290P6-20	SH-295P6-20	SH-300P6-20
Maximum Power at STC(Pmax)	280W	285W	290W	295W	300W
Optimum Operating Voltage (Vmp)	32.06V	32.23V	32.41V	32.57V	32.73V
Optimum Operating Current (Imp)	8.734A	8.843A	8.948A	9.058A	9.166A
Open-Circuit Voltage (Voc)	38.35V	38.55V	38.72V	38.98V	39.16V
Short-Circuit Current (Isc)	9.483A	9.540A	9.664A	9.766A	9.885A
Solar Cell Efficiency (%)	19.36	19.71	20.06	20.41	20.75
Solar Module Efficiency (%)	16.60	16.90	17.19	17.48	17.78
Operating Temperature	-40to85°C				
Maximum System Voltage	DC1000				
Maximum Series Fuse Rating	15A				
Power Tolerance	0~+3%				
STC:Irradiance 1000W/m ² ,Modules Temperature 25°C,AM=1.5					

Temperature Coefficient and Mechanical Characteristics

Nominal Operating Cell Temperature (NOCT)	45°C +/-2°C
Temperature Coefficient of Pmax	-0.39%/°C
Temperature Coefficient of VOC	-0.32%/°C
Temperature Coefficient of ISC	+0.055%/°C
Solar cell	Poly158.75*79.375mm
No.of cells	120 (6×10+6×10)
Dimensions	1684mm*1002mm*35mm
Weight	18kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV_*****
Connector	Plug and socket
Output cables	PV 4.0mm ²
1*20'	360pcs
1*40'	780pcs
1*40'HQ	858pcs
13.6	900pcs
17.5	1200pcs

Engineering Drawings



IV-Curves

