

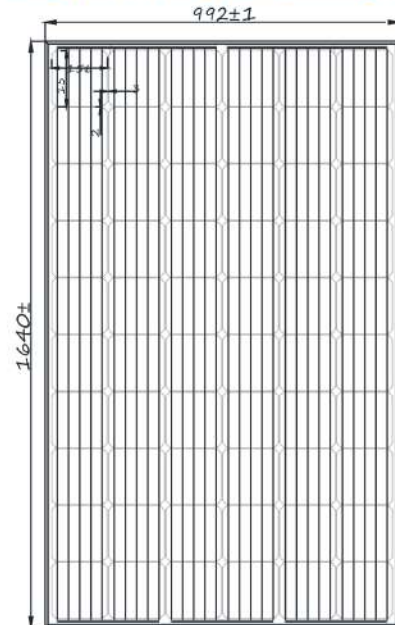
## Electrical Characteristics

Model	SH-295S6-20	SH-300S6-20	SH-305S6-20	SH-310S6-20	SH-315S6-20
Maximum Power at STC(Pmax)	295W	300W	305W	310W	315W
Optimum Operating Voltage (Vmp)	31.82 V	31.89 V	31.97 V	32.05 V	32.06 V
Optimum Operating Current (Imp)	9.273 A	9.408 A	9.543 A	9.675 A	9.826 A
Open-Circuit Voltage (Voc)	39.13 V	39.21 V	39.29 V	39.37 V	39.42 V
Short-Circuit Current (Isc)	9.740 A	9.885 A	10.082 A	10.226 A	10.377 A
Solar Cell Efficiency (%)	20.58	20.93	21.30	21.66	22.02
Solar Module Efficiency (%)	18.13	18.44	18.75	19.05	19.36
Operating Temperature	-40to85°C				
Maximum System Voltage	DC1000				
Maximum Series Fuse Rating	15A				
Power Tolerance	0~+3%				
STC:Irradiance 1000W/m <sup>2</sup> , Modules Temperature 25°C,AM=1.5					

## Temperature Coefficient and Mechanical Characteristics

Nominal Operating Cell Temperature (NOCT)	47°C +/-2°C
Temperature Coefficient of Pmax	-0.47%/°C
Temperature Coefficient of VOC	-0.346%/°C
Temperature Coefficient of ISC	+0.036%/°C
Solar cell	Mono 156*156mm
No.of cells	60 (6*10)
Dimensions	1640mm*992mm*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 <sup>2</sup> ,0.9m
1*20'	398 pcs
1*40'	840 pcs
1*40'HQ	924pcs

## Engineering Drawings



## IV-Curves

Current-Voltage&Power-Voltage Curver

