







Photovoltaic Module Polycrystalline120



KEY FEATURES

-  High module efficiency through superior manufacturing technology
-  No power loss thanks to improved temperature co-efficient caused by 5BB perc solar cell
-  Strictly control the micro-crack of solar cells and the other non visible defect of internal modules
-  Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa
-  Manufactured according to and certified international I Quality and Environment Management System
-  Using advanced low reflection and high light transmission glass and cell sheet surface cutting technology, in the weak light environment can also play a good performance.



Temperature Coefficient and Mechanical Characteristics

Nominal Operating Cell Temperature (NOCT)	45°C+/-2°C	Front glass	3.2mm tempered glass
Temperature Coefficient of Pmax	-0.39%/°C	Frame	Anodized aluminium alloy
Temperature Coefficient of VOC	-0.29%/°C	Junction box	PV_*****
Temperature Coefficient of ISC	+0.05%/°C	Connector	Plug and socket
Solar cell	Poly 158*79mm	Output cable	PV 4.0mm ² , 5cm
No.of cells	120 (6x20)	1*20'	/
Dimensions	1684mm*1002mm*35mm	1*40'	/
Weight	18.5kg	1*40'HQ	780pcs

Electrical Characteristics

Model	RL290HP-120	RL295HP-120	RL300HP-120	RL305HP-120	RL310HP-120
Maximum Power at STC(Pmax)	290W	295W	300W	305W	310W
Optimum Operating Voltage (Vmp)	32.78V	33.23V	31.52V	31.88V	32.3V
Optimum Operating Current (Imp)	8.85A	8.88A	9.52A	9.57A	9.60A
Open-Circuit Voltage(Voc)	39.0V	39.2V	38.68V	38.95V	39.27V
Short-Circuit Current (Isc)	9.67A	9.78A	10.00A	10.03A	10.06A
Solar Module Efficiency (%)	17.45	17.75	18.05	18.36	18.66
Operating Temperature	-40to85°C				
Maximum System Voltage	DC1000/DC1500V				
Maximum Series Fuse Rating	15A				
Power Tolerance	0~+3%				
STC:Irradiance 1000W/m ² ,Modules Temperature 25°C,AM=1.5					