

Photovoltaic Module Polycrystalline60



KEY FEATURES

-  High module efficiency through superior manufacturing technology
-  No power loss thanks to improved temperature co-efficient caused by 5BB per 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) | 47°C+/-2°C | | Front glass | 3.2mm tempered glass |
| Temperature Coefficient of Pmax | -0.47%/°C | | Frame | Anodized aluminium alloy |
| Temperature Coefficient of VOC | -0.346%/°C | | Junction box | PV-***** |
| Temperature Coefficient of ISC | +0.036%/°C | | Connector | Plug and socket |
| Solar cell | Poly156*156mm | | Output cables | PV 4.0mm ² , 90cm |
| No.of cells | 60 (6×10) | | 1*20' | 400 pcs |
| Dimensions | 1640mm*992mm*35mm | | 1*40' | 840 pcs |
| Weight | 18kg | | 1*40'HQ | 960pcs |

Electrical Characteristics

| Model | RL250HP-60 | RL260HP-60 | RL270HP-60 | RL280HP-60 | RL285HP-60 |
|--|------------|------------|------------|------------|------------|
| Maximum Power at STC(Pmax) | 250W | 260W | 270W | 280W | 285W |
| Optimum Operating Voltage (Vmp) | 30.68V | 30.92V | 31.39V | 31.55V | 31.63V |
| Optimum Operating Current (Imp) | 8.15A | 8.41A | 8.602A | 8.875A | 9.012A |
| Open-Circuit Voltage(Voc) | 36.9V | 37.9V | 38.59V | 38.75V | 38.83V |
| Short-Circuit Current (Isc) | 9.033A | 9.147A | 9.039A | 9.336A | 9.484A |
| Solar Cell Efficiency(%) | 17.46 | 18.16 | 18.86 | 19.56 | 19.91 |
| Solar Module Efficiency (%) | 15.37 | 15.98 | 16.60 | 17.21 | 17.52 |
| 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 | | | | | |