

Photovoltaic Module Monocrystalline144



KEY FEATURES

-  High module efficiency through superior manufacturing technology
-  No power loss thanks to improved temperature co-efficient caused by 5BB or MBB 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 coated 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	Mono 158*158mm		Output cables	PV 4.0mm ² , 5cm
No.of cells	144 (6x24)		1*20'	/
Dimensions	2008mm*1002mm*35mm		1*40'	/
Weight	22.5kg		1*40'HQ	750pcs

Electrical Characteristics

Model	RL400HM-144	RL405HM-144	RL410HM-144	RL415HM-144	RL420HM-144
Maximum Power at STC(Pmax)	400W	405W	410W	415W	420W
Optimum Operating Voltage (Vmp)	39.9V	40.1V	40.3V	40.5V	40.7V
Optimum Operating Current (Imp)	10.03A	10.10A	10.18A	10.25A	10.32A
Open-Circuit Voltage(Voc)	47.5V	47.7V	47.9V	48.1V	48.3V
Short-Circuit Current (Isc)	10.89A	10.97A	11.04A	11.09A	11.12A
Solar Module Efficiency (%)	20.0	20.2	20.4	20.6	20.9
Operating Temperature	-40to85℃				
Maximum System Voltage	DC1500				
Maximum Series Fuse Rating	15A				
Power Tolerance	0~+3%				
STC:Irradiance 1000W/ m ² ,Modules Temperature 25℃,AM=1.5					