

Photovoltaic Module Monocrystalline 144

KEY FEATURES



High module efficiency through superior manufacturing technology



No power loss thanks to improved temperature co-efficient caused by MBB Perc solar cell



Strictly control the micro-crack of solar cells and the other non visible defect of internal modules



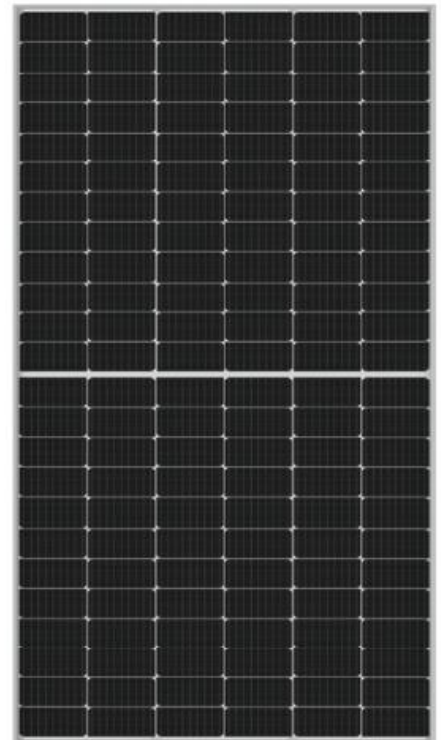
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



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.



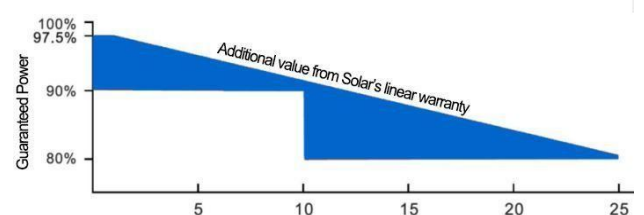
Certificates

- IEC61215, IEC61730, CQC, CE, TUV
- ISO9001:2008
- ISO14001:2004
- BSOHSAS18001:2007



Warranties

- 10 years product warranty
- 25 years power warranty



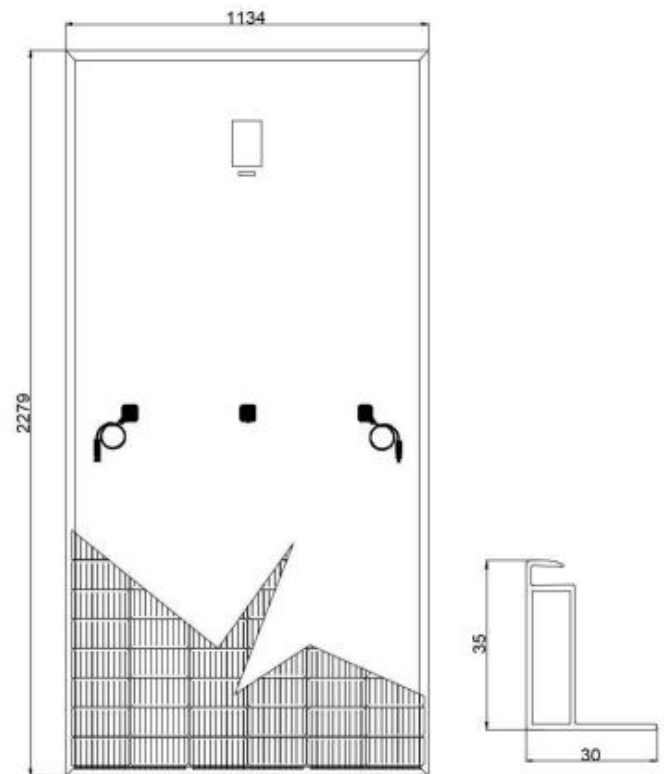
Electrical Characteristics

Model	RL530HM	RL535HM	RL540HM	RL545HM	RL550HM
Maximum Power at STC(Pmax)	530W	535W	540W	545W	550W
Optimum Operating Voltage (Vmp)	41.35V	41.5V	41.65V	41.8V	41.95V
Optimum Operating Current (Imp)	12.82A	12.9A	12.97A	13.04A	13.12A
Open-Circuit Voltage (Voc)	49.2V	49.35V	49.5V	49.65V	49.8V
Short-Circuit Current (Isc)	13.71A	13.78A	13.85A	13.92A	13.98A
Solar Cell Efficiency (%)	22.22	22.43	22.64	22.85	23.06
Solar Module Efficiency (%)	20.7	20.9	21.1	21.3	21.5
Operating Temperature	-40to85°C				
Maximum System Voltage	DC1500				
Maximum Series Fuse Rating	15A/20A				
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)	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	Mono182*91mm
No.of cells	144 (6*12+6*12)
Dimensions	2279*1134*35mm
Weight	27kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP68 rated, 3 Bypass Diodes
Connector	Plug and socket
Output cables	PV 4.0mm ² ,30cm
1*20'	150pcs
1*40'	/pcs
1*40'HQ	670pcs

Engineering Drawings



IV-Curves

