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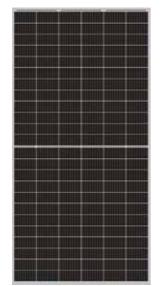
Solar Panel Guide Specification Data Sheet

Ningbo Rarlon Photovoltaic Technology Co., Ltd RL390-410HM-144 RL405HM-144

Also available on the web at EnergyPal.com/ningbo-rarlon-photovoltaic-technology-co-ltd-solar-panels/rl405hm-



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 9BB 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
- VManufactured according to and certified internationalI 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
No.of cells	144 (6×24)	1*20'	/
Dimensions	2024mm*1004mm*35mm	1*40'	/
Weight	22.5kg	1*40'HQ	660pcs

Electrical Characteristics

Model	RL390HM-144	RL395HM-144	RL400HM-144	RL405HM-144	RL410HM-144		
Maximum Power at STC(Pmax)	390W	395W	400W	405W	410W		
Optimum Operating Voltage (Vmp)	41V	41.2V	41.4V	41.6V	41.8V		
Optimum Operating Current (Imp)	9.5A	9.57A	9.64A	9.71A	9.78A		
Open-Circuit Voltage(Voc)	49.4V	49.6V	49.8V	50.0V	50.2V		
Short–Circuit Current (Isc)	10.1A	10.17A	10.24A	10.31A	10.38A		
Solar Module Efficiency (%)	19.7	20.0	20.2	20.4	20.7		
Operating Temperature	−40to85℃						
Maximum System Voltage	DC1000						
Maximum Series Fuse Rating	15A						
Power Tolerance	0~+3%						
STC:Irradiance 1000W/m³,Modules Temperature 25°C,AM=1.5							