EnergyPal

Solar Panel Guide
Specification Data Sheet

Ningbo Rarlon Photovoltaic Technology Co., Ltd
RL320-340HM-120
RL325HM-120

Also available on the web at
EnergyPal.com/ningbo-rarlon-photovoltaic-technology-co-ltd-solar-panels/rl325hm-120

Photovoltaic Module Monocrystalline120

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

- Manufactured according to and certified international l 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℃+/–2℃		Front glass	3.2mm tempered glass
Temperature Coefficient of Pmax	–0.39%/℃		Frame	Anodized aluminium alloy
Temperature Coefficient of VOC	–0.29%/℃		Junction box	PV––******
Temperature Coefficient of ISC	+0.05%/℃		Connector	Plug and socket
No.of cells	120(6x20)		1*20'	/
Dimensions	1698mm*1004mm*35mm		1*40'	/
Weight	18.5kg		1*40'HQ	780pcs

Electrical Characteristics

Model	RL320HM–120	RL325HM–120	RL330HM–120	RL335HM–120	RL340HM–120
Maximum Power at STC(Pmax)	320W	325W	330W	335W	340W
Optimum Operating Voltage (Vmp)	33.64V	33.82V	33.98V	34.16V	34.22V
Optimum Operating Current (Imp)	9.513A	9.610A	9.712A	9.807A	9.936A
Open–Circuit Voltage(Voc)	39.86V	40.08V	40.26V	40.43V	40.62V
Short–Circuit Current (Isc)	10.359A	10.463A	10.577A	10.692A	10.870A
Solar Module Efficiency (%)	18.94	19.23	19.53	19.82	20.12
Operating Temperature	–40to85℃				
Maximum System Voltage	DC1000				
Maximum Series Fuse Rating	15A				
Power Tolerance	0~+3%				
STC:Irradiance 1000W/㎡,Modules Temperature 25℃,AM=1.5					