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Solar Panel Guide Specification Data Sheet







Ningbo Rarlon Photovoltaic Technology Co., Ltd
RL300-385HM-72
RL300HM-72

Also available on the web at
[EnergyPal.com/ningbo-rarlon-photovoltaic-technology-co-ltd-solar-panels/rl300hm-](http://EnergyPal.com/ningbo-rarlon-photovoltaic-technology-co-ltd-solar-panels/rl300hm-72)

Photovoltaic Module Monocrystalline72



KEY FEATURES

-  High module efficiency through superior manufacturing technology
-  No power loss thanks to improved temperature co-efficient caused by 5BB or 6BB 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)	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	Mono156*156mm		Output cables	PV 4.0mm ² ,0.9m
No.of cells	72 (6x12)		1*20'	300pcs
Dimensions	1956mm*992mm*40mm		1*40'	624pcs
Weight	22kg		1*40'HQ	715pcs

Electrical Characteristics

Model	RL300HM-72	RL320HM-72	RL340HM-72	RL350HM-72	RL360HM-72	RL370HM-72	RL380HM-72	RL385HM-72
Maximum Power at STC(Pmax)	300W	320W	340W	350W	360W	370W	380W	385W
Optimum Operating Voltage (Vmp)	37.39V	37.82V	37.95V	38.11 V	38.27 V	38.43 V	38.59 V	38.67 V
Optimum Operating Current (Imp)	8.173A	8.461A	8.959A	9.184 A	9.407 A	9.628 A	9.848 A	9.957 A
Open-Circuit Voltage(Voc)	44.72V	44.84V	46.74V	46.89 V	47.05 V	47.21 V	47.38 V	47.46 V
Short-Circuit Current (Isc)	9.055A	9.515A	9.399A	9.643 A	9.885 A	10.178 A	11.458A	11.589A
Solar Cell Efficiency(%)	18.60	18.90	19.76	20.34	20.92	21.54	22.38	22.64
Solar Module Efficiency (%)	16.49	16.52	17.52	18.04	18.56	19.07	19.58	19.84
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								