

For a Free Quote:

Web: **EnergyPal.com/solar**

Call: **1-800-990-3725**

Email: **contact@energypal.com**



**Solar Panel Guide
Specification Data Sheet**







Ningbo Rarlon Photovoltaic Technology Co., Ltd
RL250-280HP-60
RL270HP-60

Also available on the web at
[EnergyPal.com/ningbo-rarlon-photovoltaic-technology-co-ltd-solar-panels/rl270hp-](http://EnergyPal.com/ningbo-rarlon-photovoltaic-technology-co-ltd-solar-panels/rl270hp-60)

Photovoltaic Module Polycrystalline60



KEY FEATURES

-  High module efficiency through superior manufacturing technology
-  No power loss thanks to improved temperature co-efficient caused by 5BB or 6BB per 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	Poly156*156mm		Output cables	PV 4.0mm ² ,0.9m
No.of cells	60 (6x10)		1*20'	400 pcs
Dimensions	1640mm*992mm*35mm		1*40'	840 pcs
Weight	17kg		1*40'HQ	960pcs

Electrical Characteristics

Model	RL250HP-60	RL260HP-60	RL270HP-60	RL280HP-60
Maximum Power at STC(Pmax)	250W	260W	270W	280W
Optimum Operating Voltage (Vmp)	30.68V	30.92V	31.39V	31.55 V
Optimum Operating Current (Imp)	8.15A	8.41A	8.602A	8.875 A
Open-Circuit Voltage(Voc)	36.9V	37.9V	38.59V	38.75 V
Short-Circuit Current (Isc)	9.033A	9.147A	9.039A	9.336 A
Solar Cell Efficiency(%)	17.46	18.16	18.86	19.56
Solar Module Efficiency (%)	15.37	15.98	16.60	17.21
Operating Temperature	-40to85℃			
Maximum System Voltage	DC1000			
Maximum Series Fuse Rating	15A			
Power Tolerance	0~+3%			
STC:Irradiance 1000W/m²,Modules Temperature 25℃,AM=1.5				