



RG-SOLAR-PL-80-18

80W-18V Solar Panel Monocrystalline



RANGER



High Conversion Efficiency

Achieve up to 21.6% cell conversion efficiency with superior battery technology and leading manufacturing processes.



Excellent Low Light Performance

The component exhibits excellent low light performance in the absence of sufficient light in the morning, evening or cloudy days.



Current Binning Process

The components use a current binning process to reduce the loss of up to 2% due to mismatch and maximize system output power.



Anti PID

The improved battery process and selected packaging materials make the source components have good PID resistance.



Positive Tolerance

5% positive tolerance peak power output ensures component reliability.



Super Strong Wind Pressure & Snow Pressure Tolerance

The module has high pressure resistance and can withstand wind pressure up to 3000 Pa and snow pressure of 5400 Pa.

Electrical Specifications	
Component Type	Monocrystalline
Peak Power	p 80
Peak Power Voltage	v 18
Peak Power Current	A 4.44
Open Circuit Voltage	v 21.4
Short Circuit Current	A 4.97
Cell Efficiency (A film)	% 21.6
Size	mm 1350*350*35
Glass	Low iron tempered glass/3.2mm
Cell	Monocrystalline/156.75x156.75
Package	Ethylene vinyl acetate copolymer EVA
Aluminum Frame	Anodized aluminum/silver/transparent
Junction Box	Waterproof rating IP65
Maximum System Voltage	1000VDC
Maximum Fuse Rating	15A
Maximum Reverse Current	15A
Operating Temperature	-40°C~85°C
Maximum Frontal Static Load (Snow Load)	5400Pa
Maximum Static Load Back Surface (Wind Load)	2400Pa
Hail Test (Ice Diameter / Impact Speed)	25mm / 23m/s

Dimension Drawings (mm)

*All specification is subject to change without prior notice.

