



PERLIGHT
smart.black

Semi-flexible Solar Panel

400W SOLAR KITS FOR RV

High Efficiency RV Solar System (12VDC)



Available
Loads:



LED LIGHT



DC FAN



CELL PHONE



LAPTOP



TABLET PC



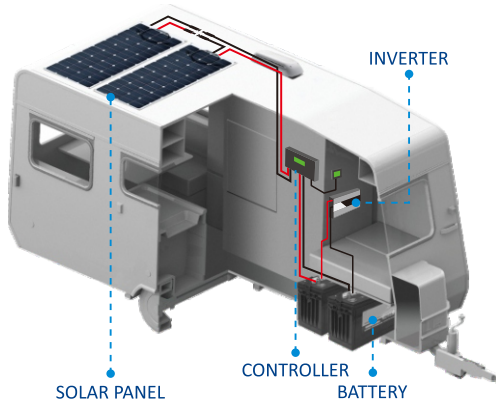
TV



KITCHEN APPLIANCE



CAR REFRIGERATOR



Solar power perfectly complements RV travel and lifestyle. It's a clean, quiet and eco-friendly source of power.

By outfitting your RV with solar panels, you can benefit from this free power source. A good installation allows you to charge your batteries independently and comes with low maintenance and a long lifespan.

Raygleam supply the best RV solar panels and complete solar kits for RV use that include a wide selection solar panels, solar controller, an inverter, batteries and everything you need for outfitting your RV with solar power for the first time.

PERLIGHT SOLAR

Founded in 2006, Perlight Solar is growing to be the world leading residential smart solar PV products manufacturer & service provider.

Based on more than 30 years manufacturing experience of Baolite Group, along with the implementation of MES & ERP system, Perlight Solar have realized lean and flexible manufacturing of solar cell & solar module.

With corporate values "Customer First, Talent Excellence, Pragmatic Innovation, Integrity & Win-Win", Perlight Solar will continue to provide excellent smart energy products & service to global families and vision to be the leading brand in global distributed smart energy.

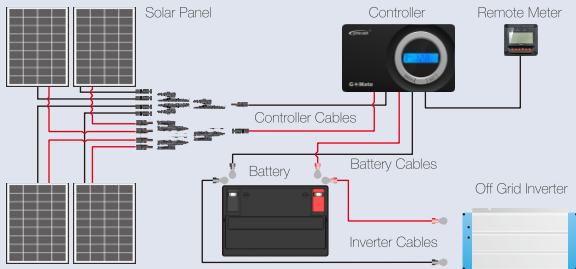


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CONNECTION DIAGRAM:



KEY FEATURES:

- Use the highest efficiency PERC solar cells for mono panel
- All panels be strictly tested by EL and no-hot spot heating
- Special designed and aesthetically clean and integrated controller for RV
- Lightweight and easy to install inverter can provide steady AC power for your adventure
- Any accessories you choose will meet all your budget and needs

400W



Item	Included and Description	Quantities	Remarks
A01	Mono RV 100W Solar Panel	4 pcs	
A02	PWM designed specifically for RV 30A	1 pcs	
A03	Off Grid solar inverter 300W	1 pcs	Optional
A04	Controller Cable 4.0 mm2	10 meters	Solar Panel to Controller
A05	Battery Cable 4.0 mm2	5 meters	Controller to Battery
A06	Inverter Cable 4.0 mm2	1 meters	Battery to Inverter (Optional)
A07	Cable Entry	1 pcs	
A08	MC4 Parallel Branch Connector	3 pair	
A09	Real-Time Remote Meter	1 pcs	Optional

Mono Solar Panel/RG-FLX100M



Pmax (W): 400W
Max. system Voltage: 600V DC
Vmp (V): 18.43V
Imp (A): 5.47A
Voc (V): 22.33V
Isc (A): 5.79A
Weight: 1.5Kg
Dimensions: 1120×530×3mm

Off Grid Inverter

Rated Power: 400W
Output Waveform: Pure Sine Wave
DC input Voltage: 12V or 24V
AC output Voltage: 110V or 220V
Peak Power: 750W
Efficiency: ≥92%
USB Output Port: 5.0VDC/1.0A



PWM Controller / GM3024N

Nominal Voltage: 12V/24V or Auto
Rated Charge Current: 30A
Max. PV input Voltage: 50V
Max. PV input Power: 500W

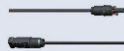


Battery Cable (A Pair)



Length: 5 meter
Sqm (mm²): 4.0
Rating Voltage: 600/1000V
Temperature: -45°C+80°C

Controller Cable (A Pair)



Length: 10 meter
Sqm (mm²): 4.0
Rating Voltage: 600/1000V
Temperature: -45°C+80°C

Inverter Cable (A Pair)



Length: 1 meter
Sqm (mm²): 4.0
Rating Voltage: 600/1000V
Temperature: -45°C+80°C

MC4 Parallel Branch Connector



Withsanding Voltage: 600/1000V
Protection Degree: IP67
Wring Size Range: 2.5, 4.0 and 6.0mm²
Temperature: -45°C+80°C

Cable Entry

Materials: UV-resistant ABS Plastic
Weight: 0.5Kg
Dimensions: 90×100×8mm
Cable Gland Diameter Range: 6-12mm



Real-Time Remote Meter

Model: MT50
Communication Range: ≤15m
Dimensions: 114×114mm
Temperature: -20°C+70°C



WARRANTY:

Solar Panels: 25-year power output warranty. 8 year/95% efficiency rate, 10 year/90% efficiency rate, 25-year/80% efficiency rate. 7-year material and workmanship warranty
Solar Inverter: 2-years quality warranty (Free replacement and maintenance).
Solar Controller: 2-years quality warranty (Free replacement and maintenance).
Other Accessories: 1-year