

GGXingEnergy®



Panel for RV Battery

GGXingEnergy is a professional leader China solar panel for RV battery manufacturer with high quality and reasonable price. We adhere to quality first and customer first philosophy and we will keep supplying higher value products and better service for every customer. We believe we can be your reliable solar panel for RV battery suppliers.

60 Watt Solar Panel for RV Battery

This is a GGXingEnergy® 60 Watt fancy solar panel for RV battery. To be durable, foldable and portable, it is designed for outdoor RV camping. Multifunctional for kinds of DC charging, with top quality on market, it is a good investment for your outdoors.

60 Watt Solar Panel for RV Battery Parameter

Solar Panel

Solar Panel Max Power	60 Watt (2 x 30 watt)
Solar Cell Type	A-grade monocrystalline
Solar Cell Efficiency	>22%
Optimum Operating Voltage (Vmp)	18V
Optimum Operating Current (Imp)	3.3A
Open-Circuit Voltage (Voc)	21.6V
Short-Circuit Current (Isc)	3.6A
Output	DC port: 18V3A (max) USB Port: 5V/2.1A (max) QC3.0 Port: 5V9V12V 24W (max) TYPE-C Port: 5V-15V 18W (max)
Test Condition	STC Irradiance 1000W/m ² , TC=25°C, AM=1.5
Operating Temperature	14°F—149°F (-10°C—+65°C)
Material	ETFE + EVA layer + Solar Cell + PCB backer sheet + Canvas cloth cover
Extended Size	32*21.2* 0.4 inches
Folded Size	21.2* 14.2 * 1.2 inches
Weight	2.5 kg (5.5lb)
Color	Black / Camouflage
Certification	CE / RoHS / FCC
Warranty	1 year

Solar Controller

Battery Voltage	12V 24V Auto (Here matching the 60w solar panel, please only use for 12V battery.)
Battery Type	12V lead-acid battery, 12V ternary lithium battery, 12V LFP battery
Working Mode	PWM
Charging Current	10A
Discharging Current	10A
Max Solar Input	23V (for 12V battery)
Equalization	Lead-acid: 14.4V, nonadjustable Ternary lithium: 12.6V, nonadjustable LFP: 14.6V, nonadjustable
Float Charge	Lead-acid: 13.7V, adjustable 13V-15V Ternary lithium: 12.0V, adjustable 11.5V-12.5V LFP: 13.8V, adjustable 13V-14.5V
Discharge Stop	Lead-acid: 10.7V, adjustable 9.5V-11.5V Ternary lithium: 9.0V, adjustable 8.5V-9.5V LFP: 10.0V, adjustable 9.5V-10.5V
Discharge Reconnect	Lead-acid: 12.6V, adjustable 11.5V-13V Ternary lithium: 10.5V, adjustable 10V-11V LFP: 12V, adjustable 11.5V-12.5V
USB Port	2 x USB, 5V2A (max)
Self-consume	<10mA
Operating Temperature	-35°C~+60°C
Size	133*70*35mm
Weight	140g
Certification	CE, RoHS

60 Watt Solar Panel for RV Battery Description

1) A solar panel for RV battery

Such a GGXingEnergy® 60 Watt solar panel for RV battery can provide trickle charging for your RV / Camper / Caravan / Motorhome. Matching with a solar controller, the solar panel for RV battery can protect the charging. The solar controller can charge for 12V lead-acid battery, 12V ternary lithium battery, and 12V LFP battery.

10A PWM Solar Charge Controller



12V Lead-acid Battery



12V Ternary Lithium Battery



12V LFP Battery

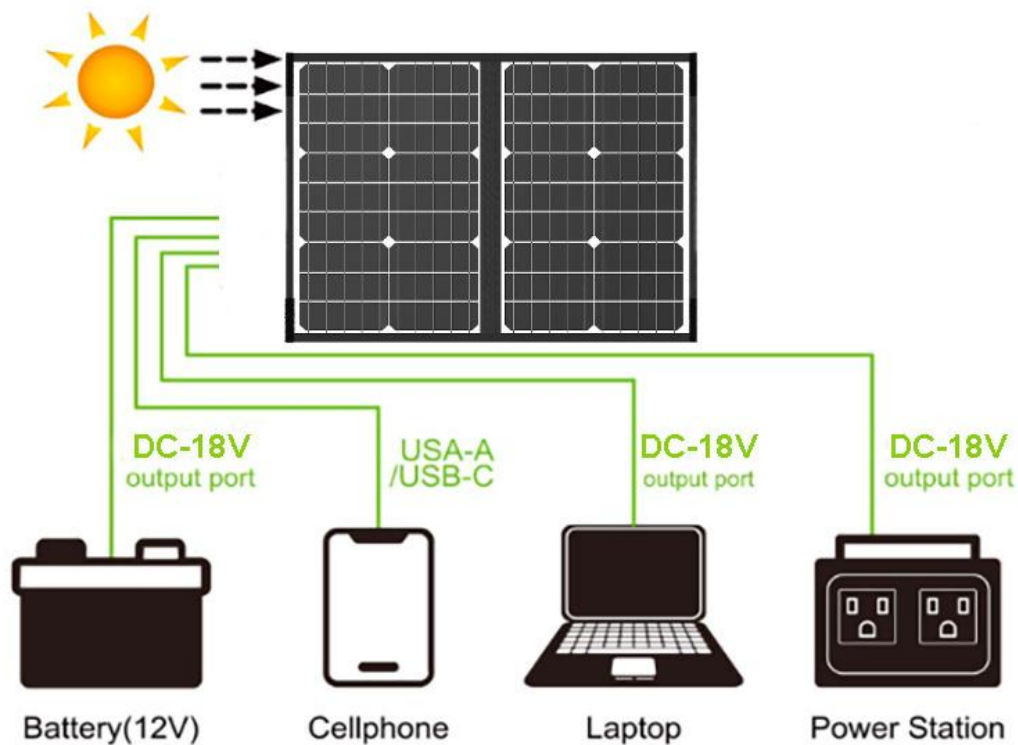
2) A solar panel charger for portable power station and solar generator

This GGXingEnergy® 60 Watt solar panel for RV battery is compatible for portable power stations or solar generators. Four different connectors for most kinds of portable power stations are together with our 60 watt solar panel for RV battery, 8.0mm, 5.5x2.1mm, 5.5x2.5mm, and 3.5x1.35mm. More connectors can be also added if requested.

Different sizes of DC connectors for most solar generators



3) A solar powered charger for laptops, mobile phones, power banks and other small DC devices
 Besides above functions, this GGXingEnergy® 60 Watt solar panel for RV battery can also directly power the laptop, mobile phone, tablet, power bank, switch, PSP, MP4, music player, GPS, earphone...
 The DC port can provide max 3.3A for assistant charging for laptop. The USB A port is max 2.1A for kinds of USB supported devices. Also the solar panel for RV battery is newly equipped with QC3.0 (max 24W) and Type-C (max 18W) port to support the QC3.0 & PD protocol electronic devices.

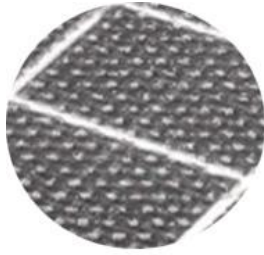


4) Portable, foldable and durable

Our 60 Watt solar panel for RV battery is designed to be portable and foldable to provide maximum convenience for your outdoor activities. It is very easy to be extended for use and folded back for storage. With compact size and light weight, you can carry it anywhere via a comfortable handle. With waterproof canvas cloth and high quality ETFE coat, the materials are durable enough for the terrible outdoor use condition.

5) Ensured quality with ETFE solar panel and 22% efficiency monocrystalline solar cell

This ETFE 60 Watt solar panel for RV battery is different with an old PET laminated panel. The ETFE film can make the solar panel for RV battery perform well after long time exposure under sunlight. Its higher transparency and honey-comb structure can help the solar panel for RV battery convert out more solar energy. The nice dustproof feature and better resistance for heat and corrosion can extend the solar panel for RV battery lifespan directly. 22% efficiency means the solar cell is top quality and it allows for higher power generation at the same size.



Scratch-Proof



Higher Light
Transmittance



Durable



Temperature
Resistant

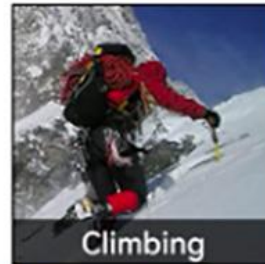
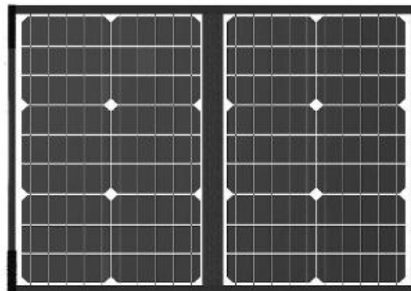
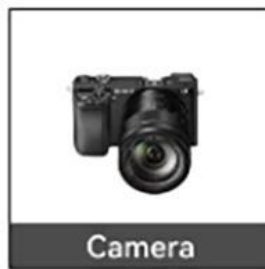
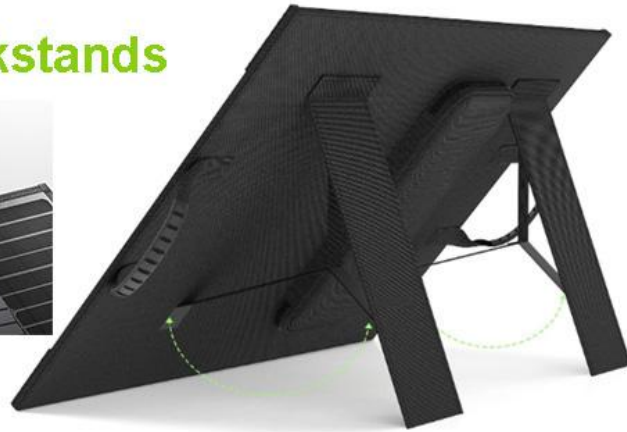
ETFE Lamination



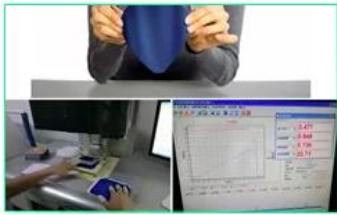
6) Installed with adjustable kickstands

The kickstands at the back of solar panel for RV battery are very important. Because if the solar panel can face sunlight at a right angle, the charging efficiency can be improved. The kickstands can help you to adjust this angle. Practically, you may get 25%-30% more sunlight than flat lying.

Adjustable Kickstands



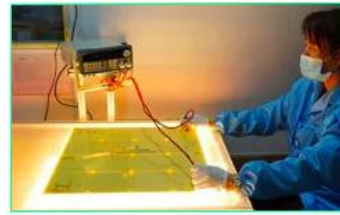
Production Process



Power output testing for solar cell



Solar panel lamination



Power output testing for solar panel



Pre-production preparation



Sewing on the solar panels



EL testing for foldable solar panel



Power output testing for finished product



Finished products waiting for clean



Finished products waiting for packing

Packing & Transport



Exhibition



Certification

