

GGXingEnergy®



60W Portable Solar Panels for Motorhomes

GGXingEnergy is one of the outstanding portable solar panels for motorhomes manufacturers and suppliers in China. We can wholesale portable solar panels for motorhomes, and also provide professional OEM & ODM service, or further cooperate with drop shipping. If you interest in the good quality and low price portable solar panels for motorhomes, just feel free to send us the inquiry.

60W Portable Solar Panels for Motorhomes

Below is the details for a GGXingEnergy® 60w portable solar panels for motorhomes. Hope it can be helpful for your better understanding with the portable solar panels for motorhomes. If you are looking for a solar panel for your outdoors, such a 60w portable solar panels for motorhomes is really worth to have.

60W Portable Solar Panels for Motorhomes 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

60W Portable Solar Panels for Motorhomes Description

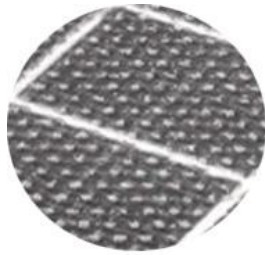
1) Great for outdoors

There is no doubt that a solar panel can directly solve the trouble for lacking of wall outlet when you are on a trip or camping. Considering the size and weight of a glass laminated solar panel, such a kind of portable solar panels for motorhomes will be much convenient for your outside use. Normally a glass 60w solar module is 26.4x24.4x1.2 inch, and 9.92 lb. Thus this GGXingEnergy® 60w portable solar panels for motorhomes is only 21.2* 14.2 * 1.2 inch after being folded, and 5.5 lb. And the glass one is normally with aluminum frame, which may be easy to hurt your hand if for frequent moving. But such portable solar panels for motorhomes is totally frameless. And it is also added with a comfortable handle, you will just carry it like a suitcase.

2) Ensured top quality

We only use A-grade monocrystalline solar cells, whose efficiency can be up to 22%. The benefit is not only to produce out more power at the same size, and meanwhile its size dropped and cost saved. The surface of this 60w portable solar panels for motorhomes is updated to be ETFE. The ETFE coat

can improve the charging efficiency of the portable solar panels for motorhomes, because it is with higher transparency and honeycomb structure to absorb more sunlight. Also it can optimize the heat and corrosion resistance of the portable solar panels for motorhomes to let it get longer life-span.



Scratch-Proof



Higher Light
Transmittance

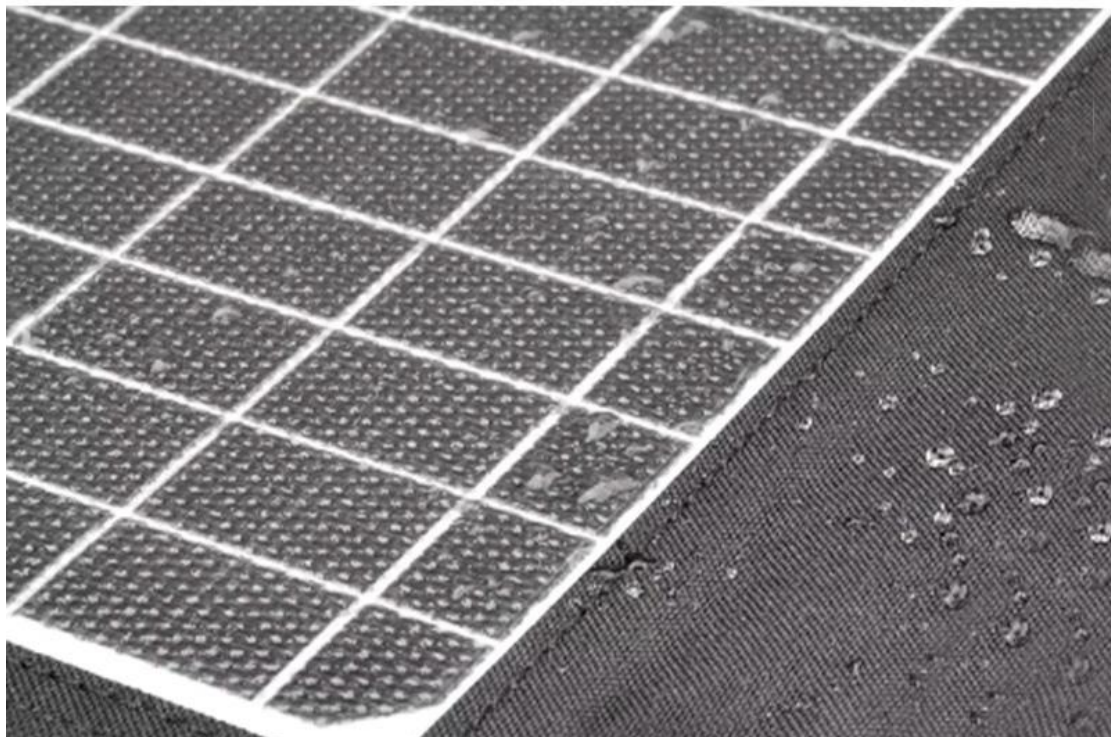


Durable



Temperature
Resistant

ETFE Lamination



3) Adjustable kickstands design

As we know, if getting the strongest sunray, we need to let sunlight shine at the perpendicular angle. And sun is moving constantly, then we need to often change the position of the portable solar panels for motorhomes. Our 60w portable solar panels for motorhomes is installed with two adjustable kickstands at back. You can easily adjust the portable solar panels for motorhomes to face sunshine at the right angle. Via this way, the portable solar panels for motorhomes will get 25%-30% more sunlight than flat lying.

Adjustable Kickstands



4) Wide compatibility

The 60w portable solar panels for motorhomes is with 5 outlets together.

An external 2m cable with DC port is added specially for long distance use. For example, if you fix the portable solar panels for motorhomes at top of the motorhome, then the cable will be long enough to connect with the motorhome battery.

This 60w portable solar panels for motorhomes is attached with a solar controller to protect the charging for 12v batteries. 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



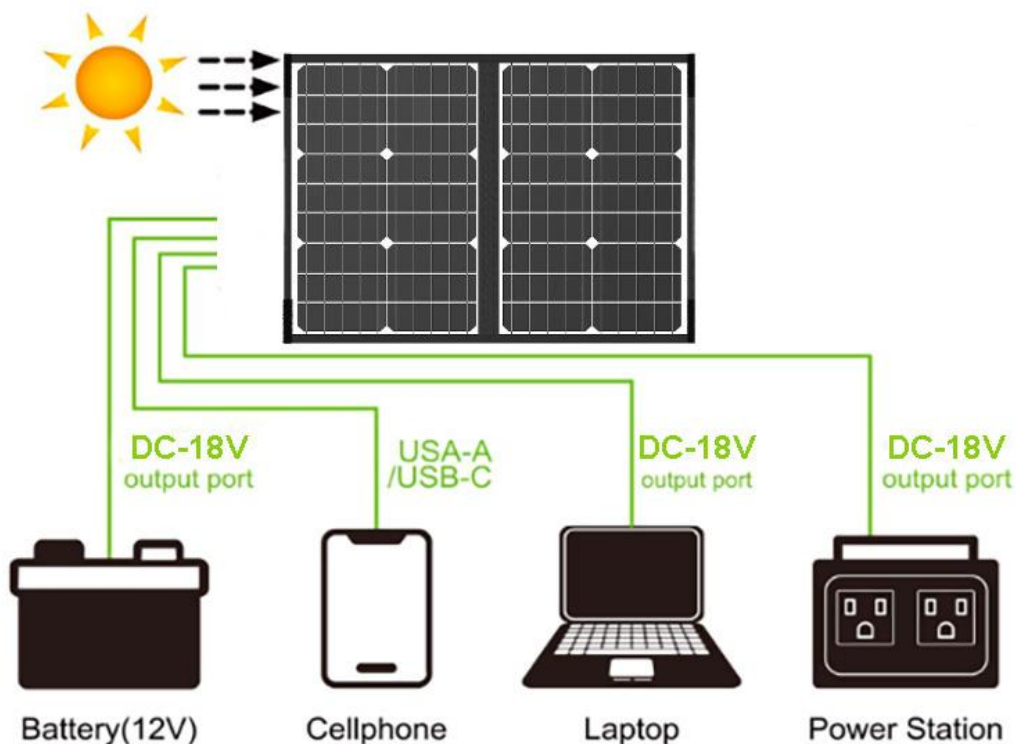
12V LFP Battery

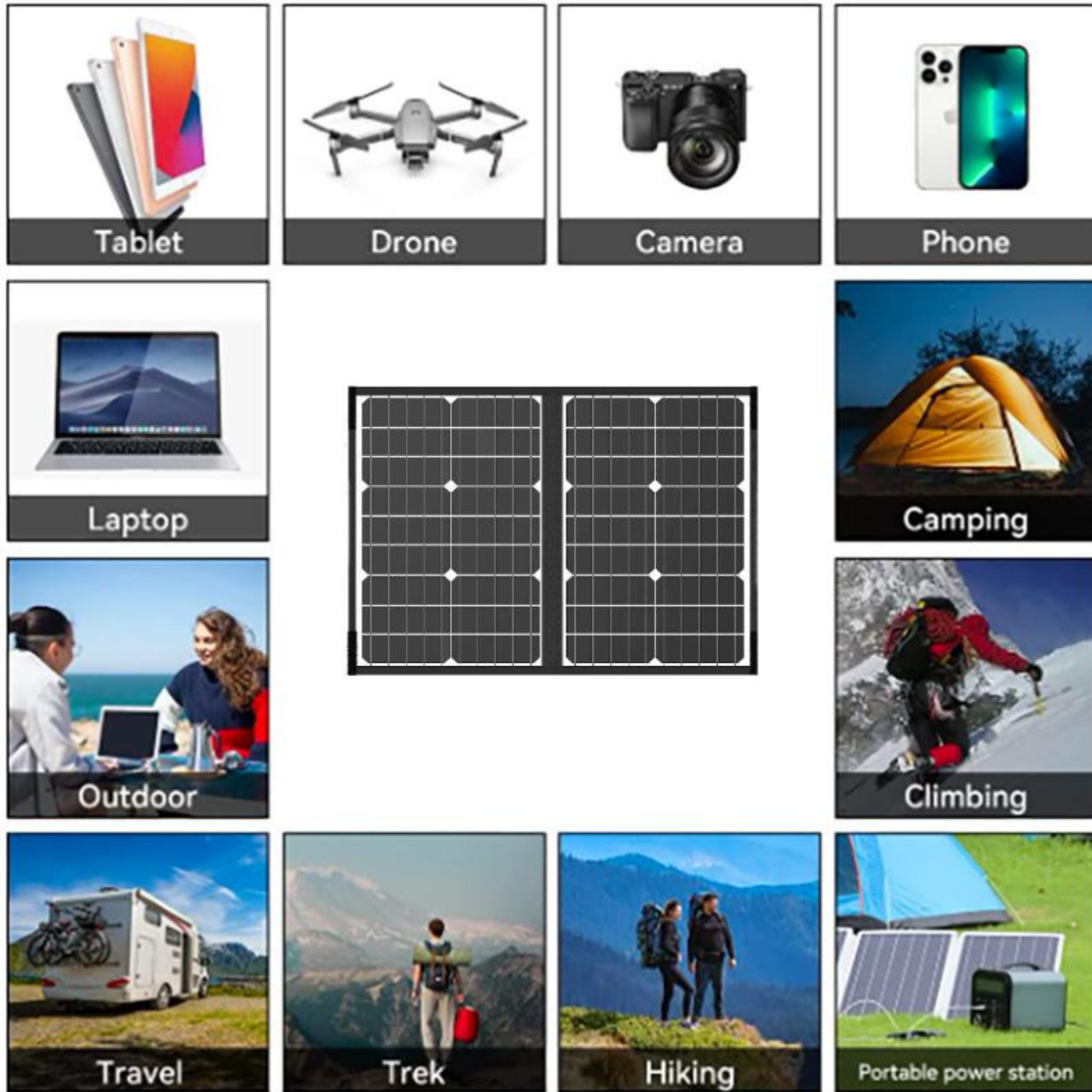
Also via the DC port, the GGXingEnergy® 60w portable solar panels for motorhomes is compatible for portable power stations and laptops.

Different sizes of DC connectors for most solar generators



On the junction box, there are DC, Type-C, QC3.0 and general USB ports. Any USB supported devices or QC3.0 & PD protocol electronic devices can be charged via the 60w portable solar panels for motorhomes directly under sunshine, no needing a battery.





Packing & Transport



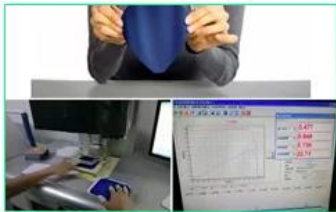
Exhibition



Certification



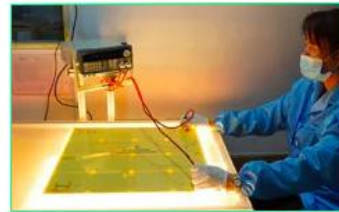
Production Process



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