

GGXingEnergy®



### 60Watt Solar Panel Kits for RV

After several years developing, GuangGu Xing Energy has been a mature solar panel kits for RV factory located in Shenzhen, China. You can not only buy high quality solar panel kits for RV from us, but also enjoy the good after sale service. That will be our honor to create reliable supply for the solar panel kits for RV for you.



### 60Watt Solar Panel Kits for RV

Do you want to make your RV camping be more comfortable and powerful? Then please

take a solar panel kits for RV. Both for quality and price, this GGXingEnergy® 60watt solar panel kits for RV is worth for buying.

### 60Watt Solar Panel Kits for RV 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 <sup>2</sup> , TC=25°C, AM=1.5
Operating Temperature	14°F—149°F (-10°C—+65°C)
Material	PET + 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)
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	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

### 60Watt Solar Panel Kits for RV Description

1), A most economic and high quality solar panel kits for RV

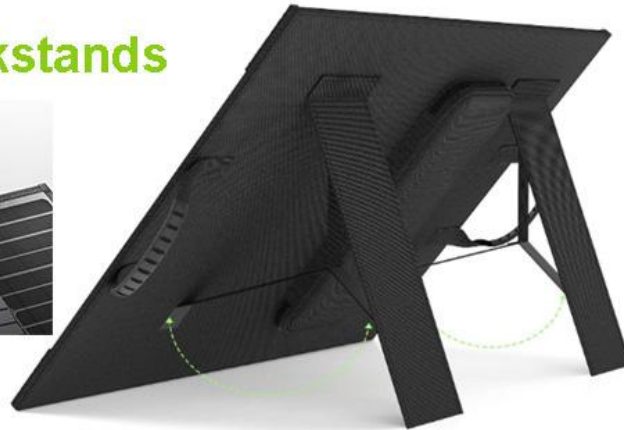
If you want a solar panel to do assistant charging for your RV battery, we suggest this 60watt solar panel kits for RV. Its price is very competitive and the quality is also top. Using 22% efficiency solar cell, it can perform much well than other lower efficiency (only around 15%-18%) solar panels. The fabric is waterproof and durable enough for kinds of outdoor uses. The inner soldering connecting cable is specially customized for supporting folding up to 20,000 times.

2), Smart design serving well for outdoor application

This GGXingEnergy® 60watt solar panel kits for RV is simply with two folds of solar panels, and it can be easily and quickly folded back to a briefcase format. After being added with a comfortable handle, it is actually to be maximumly portable.

There are two supporting legs on the 60watt solar panel kits for RV, which can help you fix the right angle and position between the solar panel and sunshine. So that you can always make sure the solar panel kits for RV can get strongest sunlight for best working.

## Adjustable Kickstands

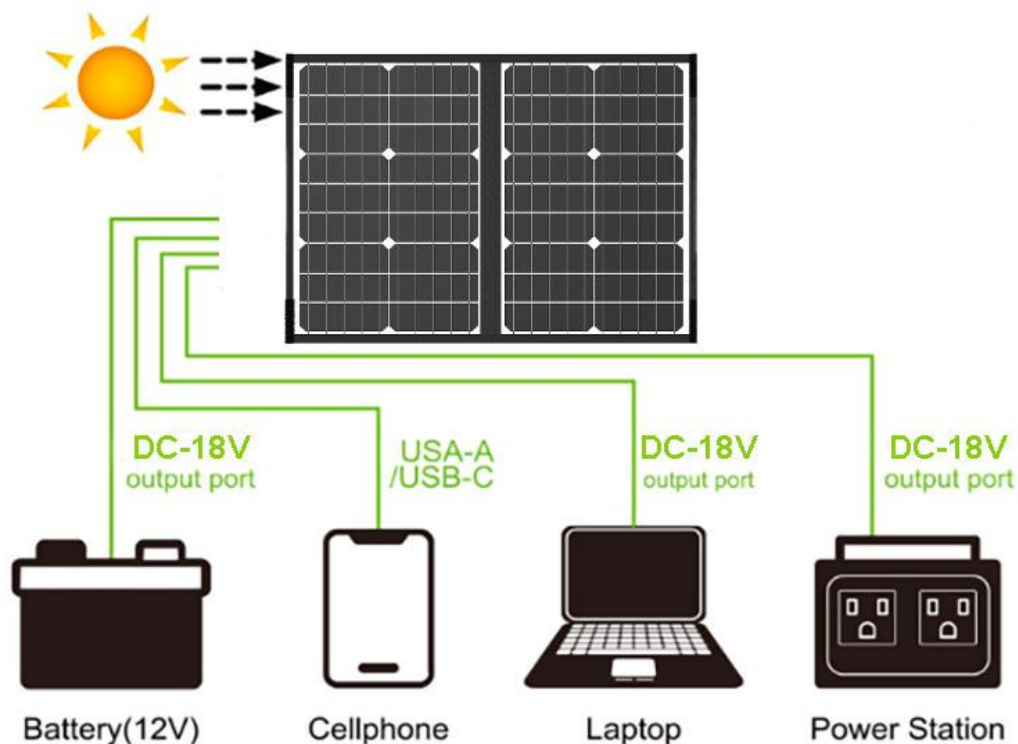


Also, the 60watt solar panel kits for RV is sewed with a large and fully zipped pocket. It is not like the grid one that may be easily scraped by branch when outdoor. Or like some ones fitted with Velcro tape, the inner accessories may fall out.

There is a separate DC output cable in the pocket of this 60watt solar panel kits for RV. It is not extended out via a connecting port, so that you do not need to worry the cable will be pulled down when charging.

3), Updated to be multifunctional to really power your outdoor life

a, The 60watt solar panel kits for RV is enclosed with 4 DC connectors to charge for general portable power stations on market. When you can not get a wall outlet to charge your portable power station, the 60watt solar panel kits for RV can provide charging directly under sunshine for you.



## Different sizes of DC connectors for most solar generators



b, Besides above mentioned 4 DC connectors, there are still other 6 ones using for brands of laptops. The 60watt solar panel kits for RV can also charge a laptop outside no needing a battery.

c, We specially add a solar controller for the 60watt solar panel kits for RV. So that our solar panel kits for RV can charge 12v batteries, which can be 12V lead-acid battery, 12V ternary lithium battery, and 12V LFP battery.

Kind notes: The solar controller is PWM model, not MPPT. And this solar panel kits for RV is 18V output. It can only charge 12V battery, not for 24V one. The solar controller can only work with 12v battery. It can not work if it is only connected with the solar panel kits for RV.

## 10A PWM Solar Charge Controller



12V Lead-acid Battery

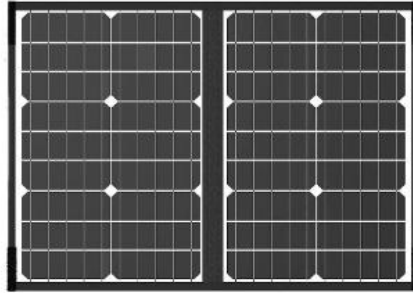


12V Ternary Lithium Battery

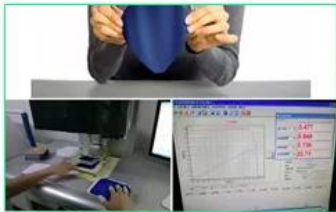


12V LFP Battery

d, On the junction box in the pocket of the solar panel kits for RV, the outputs are 1xDC port, 1xQC3.0 port, 1x general USB port, and 1x Type-C port. No matter for the power bank, smart phone, tablet, music player, switch, or other USB supported small units, they can also get quick and safe charging on the 60watt solar panel kits for RV.



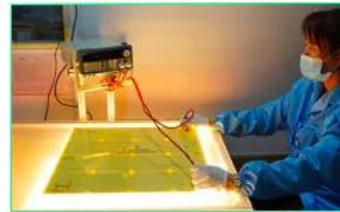
**Production Process**



**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

