

GGXingEnergy®



60Watt Caravan Portable Solar Panels

High quality caravan portable solar panels is offered by China manufacturer GGXingEnergy. With years development in the caravan portable solar panels area, we have accumulated full experience for producing the high practical caravan portable solar panels. Welcome the price inquiry, and we can offer the discount caravan portable solar panels.

60Watt Caravan Portable Solar Panels

This GGXingEnergy® 60watt caravan portable solar panels is with ETFE film and 22% high efficiency solar cell. It is portable and foldable, compatible for portable power stations, laptops, 12v batteries, mobile phones, power banks, tablets..., providing safe and smart charging to power your outdoor activities.

60Watt Caravan Portable Solar Panels 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

60Watt Caravan Portable Solar Panels Description

1) Ideal for powering caravan, RV, camper, motorhome, car, suv, boat battery

Matched with a solar controller, your 12v battery can get safe charging via this GGXingEnergy® 60watt caravan portable solar panels. And there is no limitation for the battery type. 12V lead-acid battery, 12V ternary lithium battery, and 12V LFP battery can all be charged via this solar controller.

10A PWM Solar Charge Controller



12V Lead-acid Battery



12V Ternary Lithium Battery



12V LFP Battery

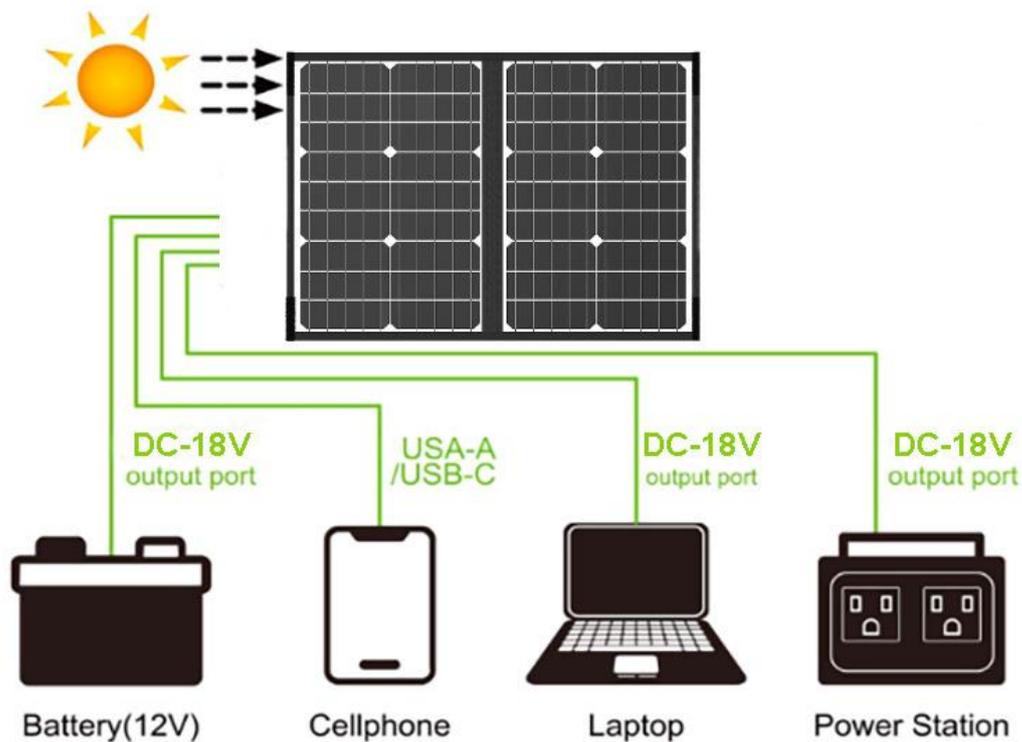
2) Providing free solar charging source for portable power stations, solar generators, laptops... You may have a portable power station together with your outdoor camping. But when the portable power station is powered off, it will be still headache to get it be recharged when you have no access to reach wall outlet. Via this 60watt caravan portable solar panels you can make the portable power station be kept with enough power level. Same to charge a laptop, you just need to put the 60watt caravan portable solar panels directly under sunshine and find the right connector to realize the connection with charged item will be ok.

Different sizes of DC connectors for most solar generators



3) Giving safe, smart, and quick charging to mobile phone, power bank, PSP, GPS and other small devices

Besides a general USB port, this 60watt caravan portable solar panels is also equipped with QC3.0 and Type-C port. There is smart IC built in. When the device is connected with the 60watt caravan portable solar panels, it will distinguish the device and set the best charging current for it.



4) Helping you getting better charging via the adjustable kickstands

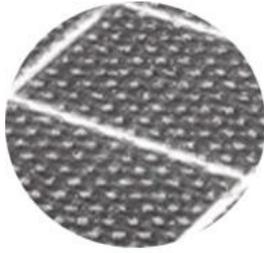
If you can adjust the 60watt caravan portable solar panels to let it face to sunshine at the vertical angle, you can get 25%-30% more sunlight than it is flat lying. The kickstands can help you to finish this. You do not need to find a holder again.

Adjustable Kickstands



5) Foldable, portable and durable design, no burden for outdoors

You will just like taking a suitcase benefitted from the foldable and portable format of the 60watt caravan portable solar panels itself. It is not a heavy and large solar panel again. No matter you are on RV camping, travelling, picnic, fishing, boating or off-grid road trip, it will be always so convenient for your carrying. And since this 60watt caravan portable solar panels is updated with ETFE coat, it will be much durable for standing outdoor terrible use condition.



Scratch-Proof



Higher Light
Transmittance



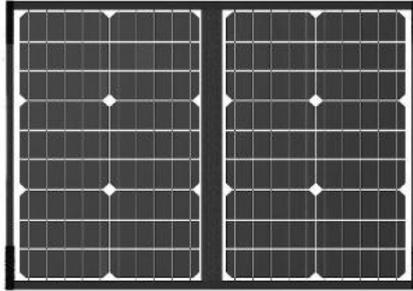
Durable



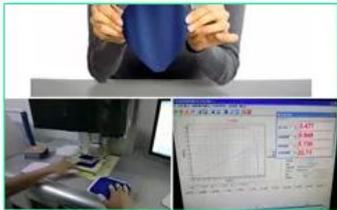
Temperature
Resistant

ETFE Lamination





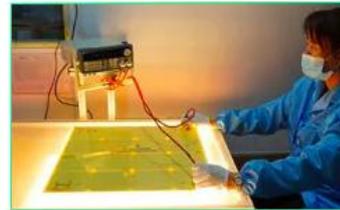
Production Process



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

