



ALLWEI SGR-PPS300-2 300W Portable Power Station Emergency Power Source User Manual

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Preface

Thank you for purchasing our 300W Portable power station. this portable power station had 280Wh battery capacity. Supports solar panels. vehicle charging and provides power for many other devices. It comes with AC outlets. 12V DC output ports, Type-C port, Car port and USB ports for your convenience. Perfect for outdoor travel. it is compatible with most electronic devices such as drones, laptops, lights, Mobile phones, tablets, and cameras etc. You can charge your electrical or digital products with this unit in case of power failure or you need to charge on a roadtrips.

At the same time, It also can be used as an emergency power supply, especially suitable for power failure caused by various natural disasters, such as: Typhoons, Floods, Hurricanes, Earthquakes, Forest Fires, Snowstorms and low-temperature disasters etc. It is also suitable for camping activities, outside electrical appliances charging, night market power supply, medical power supply, household electricity storage and so on. And it can also be used as an Emergency Light. Before using this unit, please read this manual carefully.

Package Contents

- 1 x 300W portable power generator
- 1 x 19V/3.78A AC Power Adapter
- 1 x AC Power Cord-US Standard
- 1 x Car Cigarette Cable
- 1 x User manual (Solar panel is not included)

Warm Tips

1. This product built in lithium battery, to reduce associated hazardous risks. please avoid fire sources and proper disposal is required.
2. Do not use this product in the water or a damp environment.
3. Handle with care, do not use if product is damaged
4. Turning off the power to save electricity if not use for a long time To extend the battery life, please charge the battery every three month if unused for a long time

Why choose this item ?

- Compatible with any 18V 60W-200W solar panel,built-in MPPT controller system to help charging efficiency in creasing.
- LCD screen display-shows all battery operating status easily and timely. Charging power and required charging time are visualized. LCD display on/off can be controlled by separate switch.
- Automotive Grade battery cell with Battery management system. Charging and discharging cycles around 1000 times,DOM0%, Ultra-safe lithium battery pack.
- Each group output has separate switching control and separate over-current protection.
- Built-in 3-level brightness LED light with SOS mode. With the powerful LED light built-in, this power station has two lighting modes: press the button once for immobile white light mode(3-level adjustable) and press twice for SOS mode.
- Multiple output ports load up to 9 devices at the same time.

Multiple Usage Scenarios

Emergency:

Can be used as an emergency power supply,especially suitable for locations that are prone to severe weather patterns and natural disaster related power failures including typhoons,floods.hurricanes,earthquakes,forest fires, snowstorms and low-temperature disaster prone areas.

Outdoor activities including:

Road Trips,Camping,Outdoor celebrations,Fishing,Climbing,outdoor photography enthusiasts,RC helicopter Drone Charging,Farming and Bird watching.

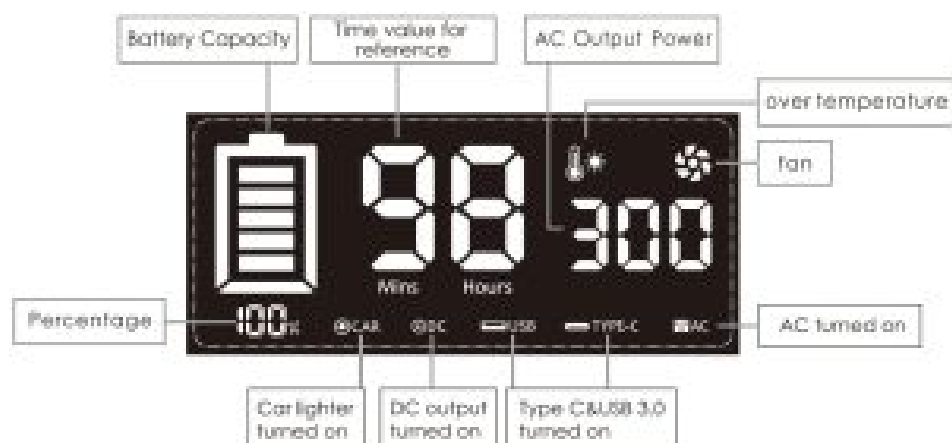
Indoor activities:

Home&office electrical device charging,energy-saving lampsielevision, mini refrigerators,Christmas decoration lights,printers,laptopsians and smart mobile phones.

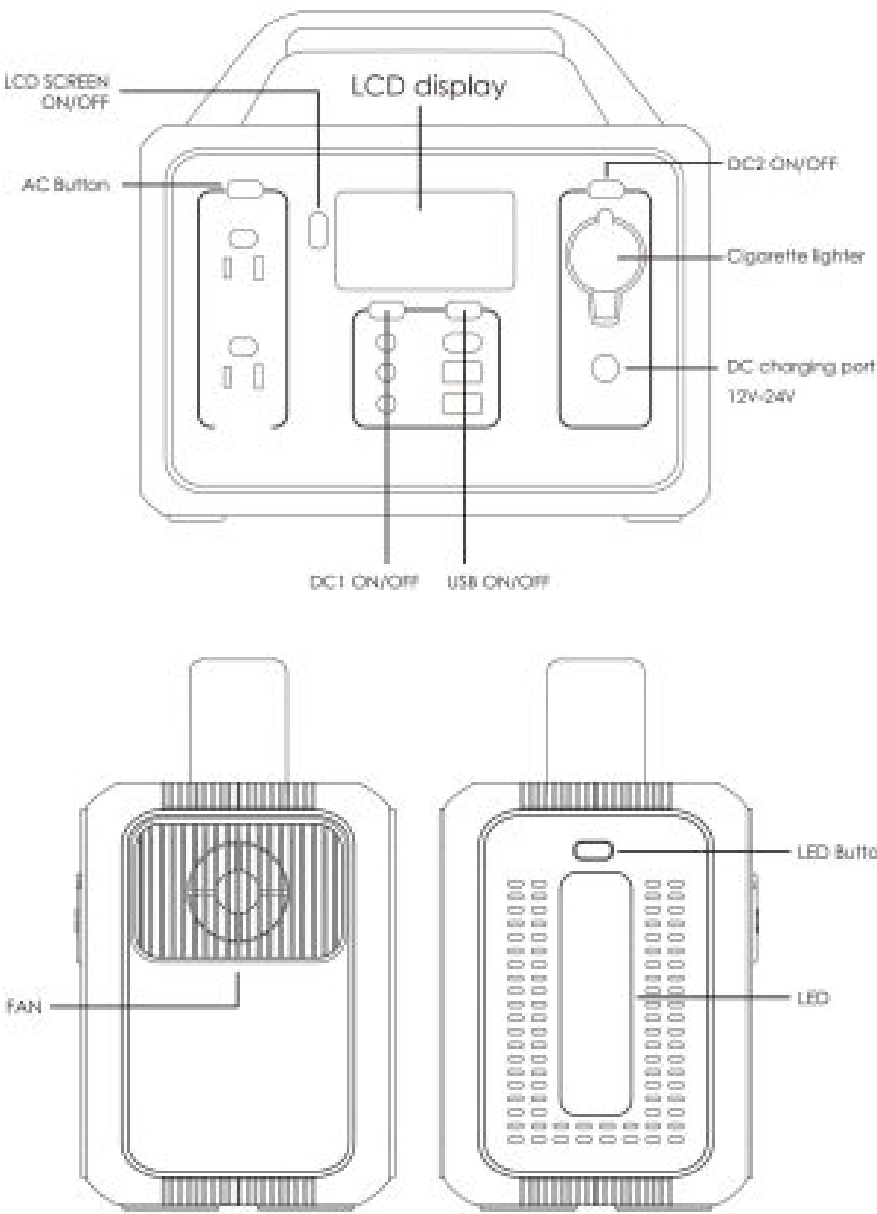
Product Parameters

Capacity	280Wh(26Ah/10.8V)
Continuous power	300W Max
Over-load protection	340W±20W
Peak Output power	600W
Output waveform	Pure sine wave
External charger	AC100-240V to WV 3.74A
AC Output Voltage	AC 110V±10%
Conversion efficiency	~85%
Under-voltage protection	8.5±0.5V
Over-voltage protection	13±0.5V
Fuse	AC 4*20A DC 2t20A
Overload Protection Mode	Locked,need re-start
short circuit protection Mode	Locked,need re-start
Over Temperature protection Mode	Locked,need re-start
USB output	Type-C: PD60W (5V3A 9V3A 12V3A 15V3A 20V3A)
DC 12V Output	1 x Cigarette Lighter/ Regulated 12V/8A MAX 3 x DC Rated Output / 9.0V-12.6V/3A Max
AC Plug support	2* 2-pin US AC outlet
LED Lighting	2W MAX,3 Levels(Low, Medium, High) + SOS
Working Temperature	14 T-104 1, (-10C-40C)
Storage Temperature	-4 7-140 11 (-20C-60C)
Charge While Discharge	Support
Product Size	230*120*200mm/9.06×4.72×7.87in
Net Weight	6.61Lb

Product Diagram



Note: Charging time is dynamically and change as power of connected changing devices all the time data in this screen only for reference.



	48+ Times (for 5W mobile charger)		12 Hrs (20W energy-saving lamp)		8+ recharge (400mAh)
	6 Hrs (60W laptop 12V)		3.4 Hrs (82" LCD TV)		4.1 Hrs (30W Mini Refrigerator)
	4.8 Hrs (30W fan)		76 Hrs (12V 3W LED)		5.7 Hrs (with AC Charge/USB DC Angel 3C Power+ (CMAA))

3 Ways of Recharging

- 1. AC Wall Outlet: refuels this power station by AC power from home wall outlet: Charging Time: about 5.5-6.5 hours

2. Solar Charging: Its affected by sunlight, type and power of solar panels. (Charging time around 7-8 hours by 100W monocrystal silicon solar panel under sufficient sunlight)
3. Car cigarette Charging:DC power from 12V/24V vehicles. Charging time about 5.5-6.5 hours.

NOTE: 12V vehicles need to start car engine while charging by car charging way.



Solar Panel Connection Way

For solar panel selection: No matter what kinds of materials & power, just to ensure the open-circuit voltage of solar panel within 24V.

100W solar panel recommended



Using your 300Watt power station

1. Press the power button or any other port button to turn on the unit. When not using certain ports, it is best to turn them off to conserve power.
2. Read the LCD screen to know which port is turned on.
3. Plug in your gear.
4. Your unit supports full pass-through charging so you can charge your power station and run your gear at the same time.

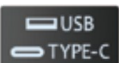
HOW to confirm the 280WH Generator was Turned ON or Turned OFF



C2 button was turned on—the cigarette lighter port Regulated 12V SA was turned on.



DC1 button was turned on-The 3 ports of 12V 3A are turned on



USB button was turned on-The port of Type.c6Ow 2*5V2 4A are turned on.



AC button was turned on-The 2 AC ports are turned on.

How to confirm that all the switch buttons are turned off?

Turn on the 'Display first. to check whether the corresponding button is turned off

if the all the symbols of  are not showed on the LCD display. It means that the generator was turned off.then turn off the 'Display- and storage it.

How does the fan work?

The station is Built-in Smart and Silent Cooling Fan, the fan will be automatically turned on when the unit is hotter to maintain the unit, when the temperature drops to a certain level, the fan will be turned off.

1. Why would the fan run on and off if it's not in use or plugged into anything? When not use it, please confirm all the switch buttons are turned off. If some switches are not turned off, Even though there are no devices connected, it also has power consumption, the fan of the generator will be turn on and off in 12hours.
This generator has auto sleep energy saving feature, after 12 hours, it will activate the economy mode, and

shut down automatically and stop the power output, the fan will not turn on any more. So when you store it, please confirm all the switch buttons are turned off.

2. Does the fan run and turn off during the charging process of this generator? When charging the generator, if you use it at the same time, the fan will be turn on/off when up to the temperature critical point. If it's not use or plugged into any devices when charging the generator, please confirm that all the switch buttons are turned off.

FAQS and Solutions

1. Solar Panel Selection: No matter what kinds of materials and power, only to ensure the optimum operating voltage (VMP) of solar panel within 24V. The higher power you choose, the charging speed will be faster. To meet the best cost-efficient solution, 100W solar panel recommended.
2. Auto sleep energy saving feature: This unit has an energy-saving sleep mode function that automatically activates if the unit detects that there are no devices connected. The unit will shut down and stop power output if no device is connected after 12 hours.
3. Can you use this battery to jump start your car battery? NO, it is not suitable to use the unit to jump start a car battery.
4. Can you charge the battery using solar while charging your phone at the same time? Yes, you can.
5. What kinds of protection features of this unit? Short-circuit protection, Over-current protection, over-voltage protection, Low-voltage protection, Over-load protection, over-temperature protection.
6. Will this be able to power up on internet router? It can (but how long it runs for depends upon the electrical current demands of the router).
7. Can users replace the power station battery by themselves? NO. Battery replacement must be done by a qualified professional and the used battery must be disposed of properly.
8. How to reset it if the generator locks up due to overload? It's easy to reset it, just need turn off the AC switch button, then turn it on again.
9. What is the DC plug size of this 300W generator? The size of the DC input port is 5.5.2.1 mm.
10. Why would the Power adapter got hot when charging the generator? The power adapter got hot is normal when charging the generator. the adapter has passed UL certification, please feel free to use it. In summer, the weather is hot, the temperature at the bottom of the adapter may reach about 162 degrees F. and the surface temperature maybe exceed 149 degrees F, but this temperature is within the scope of UL certification.

Warranty & Customer service Support

Thanks for purchasing our 300W portable emergency power station. If you have any questions about it, please feel free to contact us.

The SGR-PPS300-2 is covered a warranty of 18 months from the date of its original purchasing.

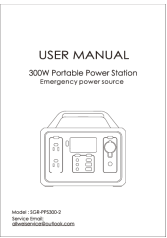
Any questions, don't hesitate to contact us: allweiservicec@outlook.com

Kindly Remind:

Please note this: we just only provide after sales service for products purchased directly from us, if you have purchased this item from other sellers, please contact them directly for services or warranty issues.



Documents / Resources

	<p>ALLWEI SGR-PPS300-2 300W Portable Power Station Emergency Power Source [pdf] Use r Manual</p> <p>SGR-PPS300-2, 300W Portable Power Station Emergency Power Source</p>
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