



# 1800W

## Portable Power Station

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# Product Highlights

- Bidirectional topology, support fast charging, only need 1.5 hours.
- Monitor Portable Power Station through Wi-Fi/ Bluetooth/ APP.
- Uninterruptible Power Supply (UPS), switch to back-up power within 10ms.
- Intelligent internal air cooling system.
- Aluminum alloy bracket, stronger structural design.
- Automatic detection of input frequency 50 or 60Hz, AC output frequency follow.













# Product overview



Model: SR1KW8L-SG1-US



# Product Parameters

	US		UK	EU / FR / AU / ZA		JP
Battery Type	Cylinder aluminum case LiFePO <sub>4</sub> power battery					
Energy Capacity	1229Wh, 51.2V, 24Ah					
Cycle Life	3000 Cycles					
Wi-Fi	supported					
USB-A1/A2 Output	5V/3A, 9V/2A, 12V/1.5A, 18W Max.					
USB-A3/A4 Output	5V/2.4A, 12W Max.					
USB-C1/C2 Output	5/9/12/15V 3A, 20V/5A, 100W Max.					
DC5521 Output	12.6V, 3A* 2					
Car charge Output	12.6V/10A, 126W Max.					
AC Output(Inverter mode)	Pure sine-wave, total 1800W (peak 3000W), 120V~,60Hz,15A *4	Pure sine-wave, total 1800W (peak 3000W), 220-240V~, 50Hz/60Hz,13A*3	Pure sine-wave, total1800W (peak 3000W), 220-240V~, 50Hz/60Hz,12A*3	Pure sine-wave, total 1500W (peak 3000W), 90-110V~,50Hz/60Hz, 20A*4		
AC Output(Bypass mode)	100-120V~,60Hz, 1500W Max., 12A Max.	220-240V~,50Hz/60Hz, 1800W Max., 10A Max.	220-240V~,50Hz/60Hz, 1800W Max., 10A Max.	90-110V~, 50/60Hz, 15A Max., 1500W Max.		
AC input power	1500W Max., 12A	1800W Max., 10A	1800W Max., 10A	1500W , 15A Max.		
AC input voltage	100-120V ,60Hz	220-240V~ , 50Hz/60Hz	220-240V~ (50Hz/60Hz)	90-110V ,50/60Hz		
Car charge input	12V/24V battery supported, 8A by default					
PV charge input	400W Max., 13-45V, 12A					
AC charging power	1380W Max.					
PV/Car charging power	400W Max.					
AC+PV charging power	1380W Max.					
Weight	19.4kg					
Dimensions ( W*H*D )	432*270*300mm					
Temperature Range	Discharge :-20℃ -45℃    Charge: 0℃ -45℃					
Certification	<div>CBFCCESGSPSUKCAIEMA</div> <div>CA65,TSCA, RoHS,Reach, WEEE, POPS, UN38.3,MSDS</div>					
Cycle Life*:Test conditions, 95% DOD, 1.0C charge & 1.0C discharge at +25±3℃.						



# Solar panel charging

Supports 400W PV charging, estimated charging time is 4 hrs; supports AC and PV charging together (PV+AC: 1380W)





# Intelligent APP Control

More intelligent APP control platform, which can be connected via Wi-Fi/Bluetooth, with data monitoring function/software upgrade.





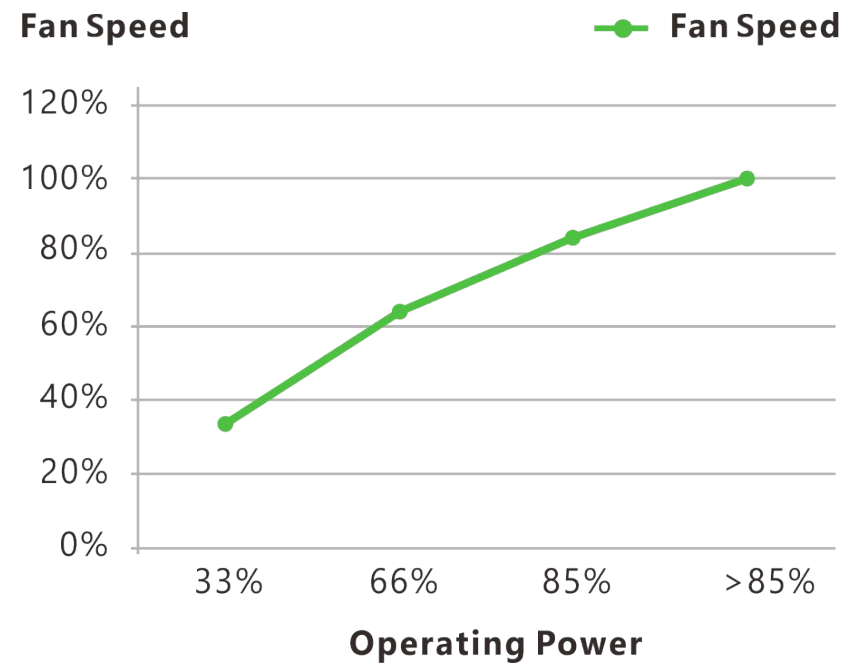
# LiFePO<sub>4</sub> Battery Cell

- Using LiFePO<sub>4</sub> Battery Cell
- Certificated UI1973  
(energy storage battery safety standard)
- Battery life higher than 80% after 3000 cycles.

Cycle Life		
1# battery	150 cycles	96.7%
	3000 cycles	82.8%
2# battery	150 cycles	96.3%
	3000 cycles	82.2%
3# battery	150 cycles	98.5%
	3000 cycles	83.8%

# Fan

Intelligent air cooling system (Built-in Fan)





# P-boost

When the power supply needs to drive high-power electrical appliances, the inverter will intelligently regulate the output power of the power supply to maintain a constant actual output power, ensuring that the electrical appliances can still operate reliably.



# UPS

Provide backup power to your vital devices within 10ms in case of an outage; AC output will be automatically connected to the power grid after the power grid is restored.





# Bypass mode

Support the AC bypass function. When the power grid works normally, it connects to the AC output. When the power grid works faulty, the batteries supplies power.

