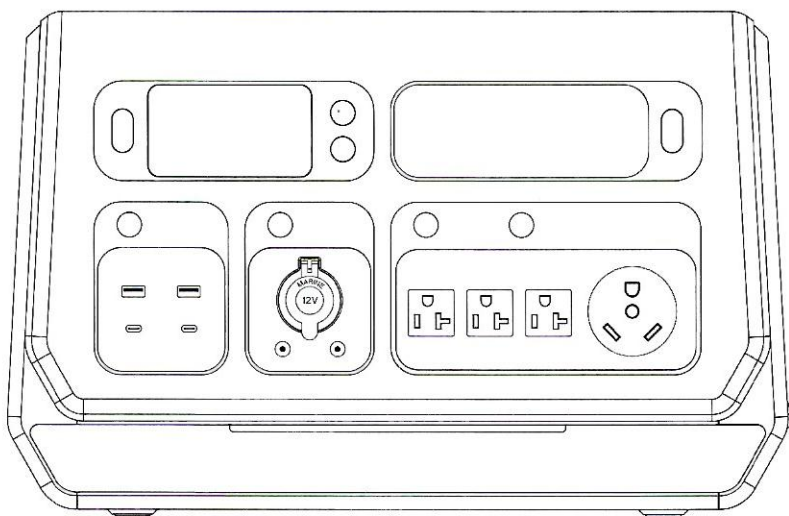


VOLTINELA

2000W Portable Power Station
Emergency Power Source

User Manual



**CENTINELA 2000
PRO MAX**

Preface

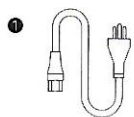
Thank you for purchasing this 2000W Portable Power Station. The portable power station can connect to AC wall outlets, solar panels, and DC power sources and is designed to keep your electronic devices powered both during an emergency and while on the go.

It comes equipped with AC outlets, 12V DC output ports, a car port, Type-C port and fast charging USB ports 3.0 for your convenience. Perfect for outdoor adventures and home backup, it is compatible with most electronic devices such as drones, projector, coffee maker, blender, refrigerator, cooling fan, microwave.

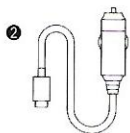
You can charge your electrical or digital devices with this unit in case of a power failure or when you are out or on a road trip. It also works as an emergency power kit. Especially, it's suitable for locations that are prone to severe weather patterns and natural disaster related power failures including typhoons, floods, hurricanes, earthquakes, forest fires, snowstorms and low-temperature disaster-prone areas.

The power station is also suitable for camping and works well in keeping outdoor electrical appliances charged for uses such as night time power supply, medical power supply and general household electricity storage.

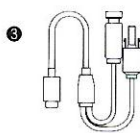
Package Contents



1*AC Power Cord



1*DC Cable



1*MC4 Cable



1*User Manual

Warm Tips:

Before using our power station, please read the following instructions carefully:

1. This power station has a built in lithium battery which is highly sensitive to high temperature - Keep it away from heat sources like direct fire or any heat sources.
2. Keep away from moisture or water.
3. Do not disassemble microwave, puncture, incinerate or insert foreign objects into the power station.
4. Do not crush, bend, shred, drop or place heavy objects on top of the device.
5. Do not use the product if damaged or punctured.
6. Always be prepared - Charge the unit every three months also if it is not used.

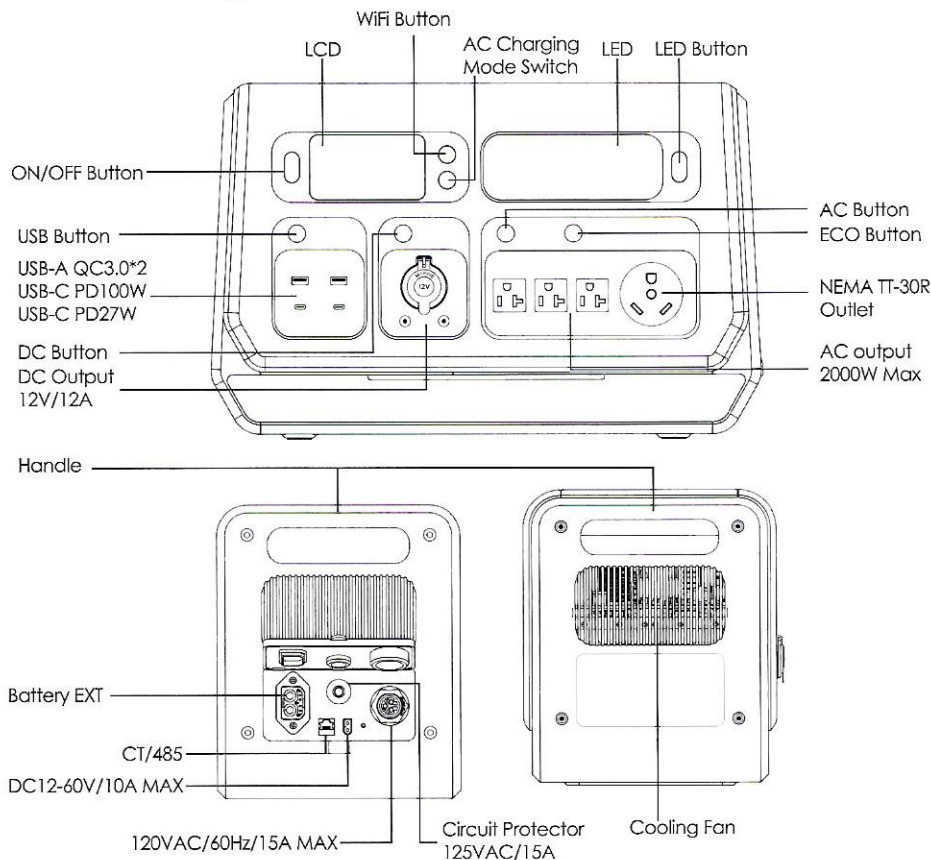
Technical Specification

Battery Capacity	LiFePO4 1720Wh \pm 5%(38.4Ah/44.8V)
AC Input Charging	AC 100-120V/1400W Max
Car Input Charging	12V/120W Max 24V/240W Max
Solar Input Charging	DC18V~60V/10A 500W Max
Output Port	AC Output*3: 120V, 60Hz, 2000W, Peak 4000W TT-30R AC Output*1: AC120V/30A Max Note: When the battery capacity \leq 5%, AC output will be off. When the battery capacity \leq 3%, DC&USB outputs will be off. (In order to protect the battery cycle life.)
	USB Output 1: QC18W Max (5V2.4A&9V2A&12V1.5A) USB Output 2: QC18W Max (5V2.4A&9V2A&12V1.5A) USB Type-C 1: PD100W (5V3A&9V3A&12V3A&15V3A&20V5A) USB Type-C 2:PD27W (5V3A&9V3A&12V2.25A&15V1.8A&20V1.35A)
	1*Cigarette Lighter 12.8V/12A Max +2*DC5521 Rated Output 12.8V/5A Max, (Total 12A Max)
AC Output Waveform	Pure Sine Wave
LED Light	3W MAX, 3 Levels(L/M/H adjustable)with SOS function
Safety Protection	Short-Circuit Over-Current Over-Voltage Low-Voltage Over-Load Over-Temperature
Battery Cycle Life	3000 times SOH \geq 70%
Pass-Through Charging	Support
Weight&Size	21.5KGS/47.4LBS 18.31in x 10.24in x 11.61in
Environmental Operating Temperature	Charge Temperature: 0~40°C(32~104°F) Discharge Temperature: -10~40°C(14~104°F)

Using Your 2000W Power Station

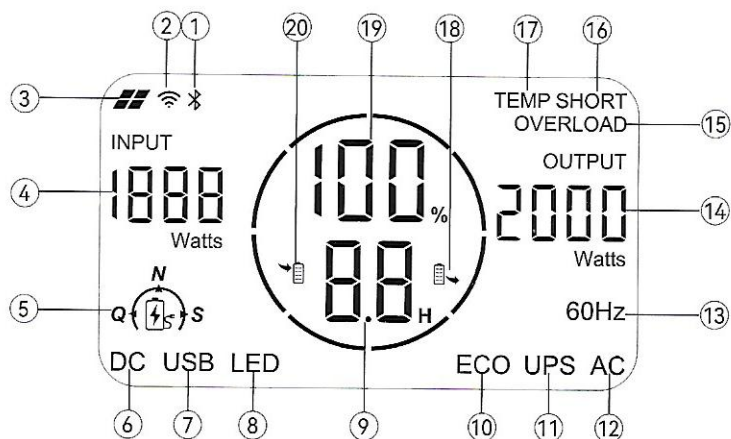
1. Long press the on/off button 3 seconds or press any of the port buttons to turn on the power station. To turn off the power station long press the turn on/off button 3 seconds.
2. The individual port buttons turn on or off the power to their respective ports. To conserve power, turn off ports when not in use. Read the LED screen to know which port is turned on.
3. Plug in your devices.
4. The power station supports full pass-through charging, so you can charge the power station and run your devices at the same time.

Product Diagram



*The circuit protector is an electrical safety switch designed to protect your unit from damage caused by over-current or short circuit. When the AC output exceeds 15A or 1800W, it will trip automatically. Press it once to reset the unit after these symptoms cleared.

LCD Display



①	Bluetooth Indicator	⑪ UPS	UPS Function Indicator
②	WiFi Indicator	⑫ AC	AC Output Indicator
③	Solar Panel Input Indicator	⑬ 60Hz	Output Frequency
④	Input Power	⑭	Output Power
⑤	Charging Mode Indicator(Q,N,S)	⑮ OVERLOAD	Overload Warning
⑥ DC	DC Output Indicator	⑯ SHORT	Short-circuit Warning
⑦ USB	USB Output Indicator	⑰ TEMP	Temperature Warning
⑧ LED	LED Indicator	⑱	Output Power Indicator
⑨ 8.8 H	Remaining Usage Time or Remaining Charging Time(Hour)	⑲ 100%	Remaining Battery Percentage
⑩ ECO	ECO Function Indicator	⑳	Input Power Indicator

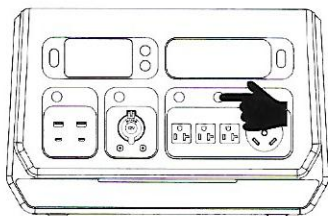
*The remaining usage time depends on the real-time output wattages of the loaded devices.

The remaining hours tells the remaining charge/discharge time. It will prioritize displaying the remaining discharge time when charging and discharging simultaneously.

*(The remaining time may has errors and the data is for reference only.)

ECO Mode:

The prerequisite for activating ECO Mode is to turn on the AC button. Turn on ECO Mode, the AC power will automatically turn off when AC load is $\leq 50W$ or no load over 4 hours to save power drain.



Auto-Sleep Mode:

If the ECO Mode is off, to avoid forgetting to turn off the output during use that results in battery consumption, the unit will turn to Auto-Sleep Mode when no device is connected or the connected device is less than or equal to a certain value.

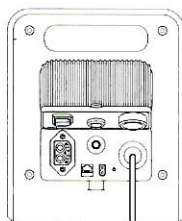
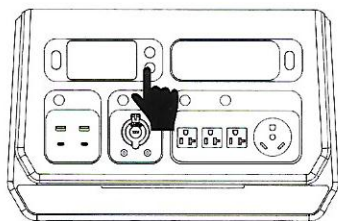
When without charging, and the AC&DC&USB outputs $\leq 2W$, the device will automatically shut down after 1 hour.

Ways to Recharge

1.AC Wall Charging

Please plug the unit into the standard wall outlet and start charging.

This power station supports Quick/Normal/Silent charging modes. The default charging mode of the unit is "N" charging mode, Press the AC Charging button to switch these 3 charging modes.



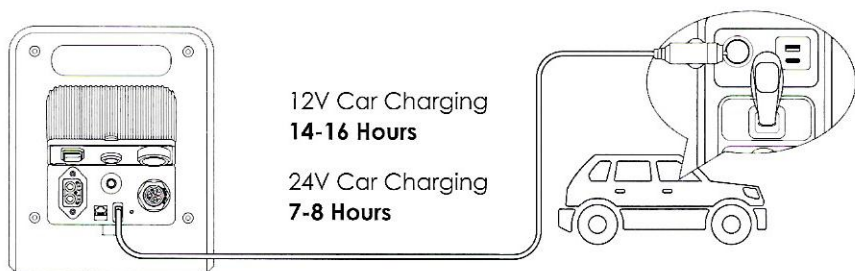
Q: Quick Charging Mode
1.5-2 Hours

N: Normal Charging Mode
4-5 Hours

S: Silent Charging Mode
6-7 Hours

2.DC Vehicle Charging

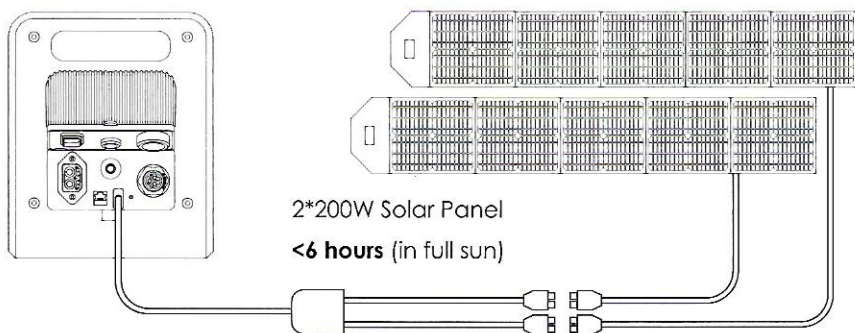
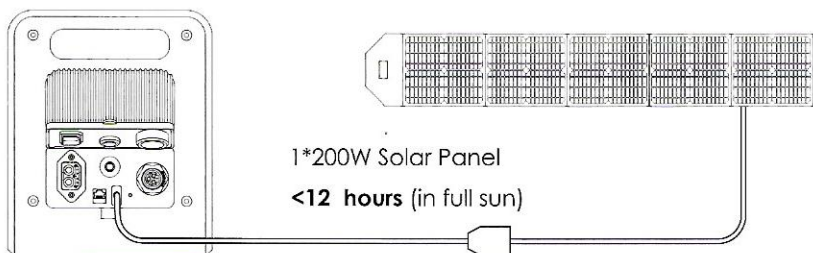
Please connect the unit directly to the vehicle plug-in cigarette lighter port via the car charging cable.




 Cigarette lighter **MUST** be fully inserted into the lighter port of the machine.

3.Solar Charging

Note: Please make sure your solar panels comply with Open Circuit Voltage of DC18-60V. The Max Solar Input Power of the power station is 500W.



 Never use higher than DC 60V to recharge this power station.
ONLY use solar panels with compatible voltage.

Safety Precautions When Charging

1. please ensure that the number of solar panels connected in series is the same, and try to use the same type of solar panel.
2. Please don't put the power station in direct sunlight while charging in the high temperature environment.

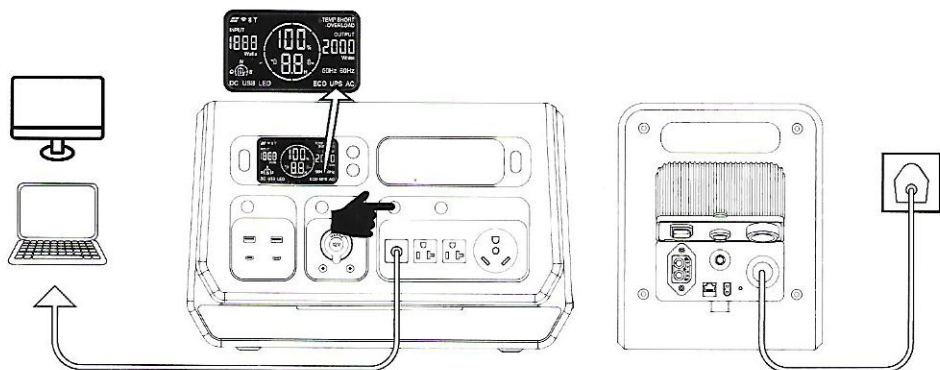
UPS

UPS Bypass Mode: Connect the power station with the AC power, then turn on the AC output, and the 'UPS'''AC'' will be on display. When on this mode, the AC power will directly support the loads on AC output ports and charge the unit.

Note: Max. output power: 1800W.

The UPS Bypass Mode prioritizes providing AC output power, then the excess power will supply for charging the power station.

The AC inverter is disabled under UPS Bypass Mode. The unit won't enter this mode unless connecting with AC power AND turning on the AC output.



Usage

Emergency:

The power station can be used as an emergency power supply during power failures. It is especially suitable for locations that are prone to severe weather patterns and natural disasters including floods, hurricanes, earthquakes, forest fires, and snowstorms.













Outdoor Activities:

Camping, outdoor celebrations, fishing, climbing, outdoor photography, RC helicopter and drone charging, farming and bird watching.

Home Backup:

Home and office electrical device charging, energy-saving lamps, television, mini refrigerators, holiday decoration lights, printers, laptops, fans and smart mobile phones.

Usage time of devices

 Projector (100W) 19 Hrs	 *Mini Cooler (90W) 21 Hrs+	 Blender (300W) 6 Hrs	 Coffee Maker (550W) 3.5 Hrs	 Electric Grill (1600W) 1.1 Hrs	 Washer (500W) 3.8 Hrs
 Hand Drill (60W) 32 Hrs	 *Refrigerator (520W) 5-24 Hrs+	 *Air Conditioner (1150W) 2 Hrs+	 Microwave (1160W) 90 Min	 CPAP (40W) 48 Hrs	 TV (110W) 17 Hrs

NOTES:

- 1.Run time= $1720\text{Wh} \times 90\%$ (conversion rate)/Your device's power(Watts).
- 2.Support all electronic devices less than 2000 Watts.
- 3.It is recommended to use a DC port instead of an AC outlet to power your CPAP machine.
- 4.*The usage time for refrigeration machines with compressors mainly depends on temperature setting and start frequency of compressors, it's usually lasting longer time than certain reference time.
- 5.The above charging times are calculated as a reference guide only. The actual usage time will depend on the power of the connected devices.