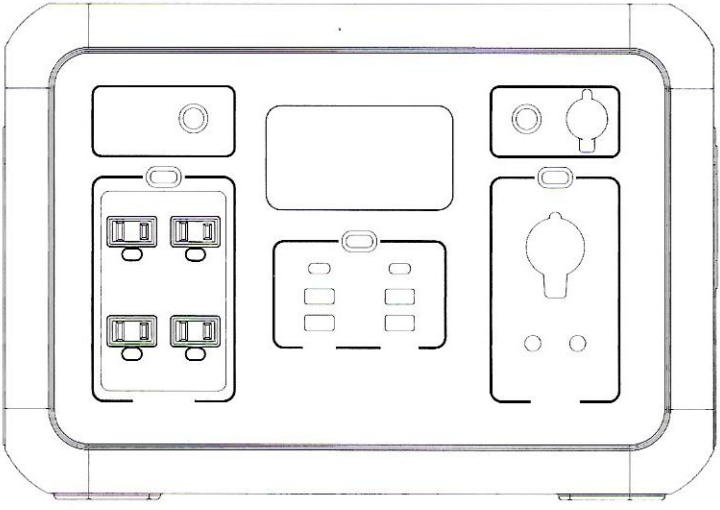
VOLTINELA

1200W Portable Power Station
Emergency Power Source

User Manual



CENTINELA 1200

Preface

Thank you for purchasing this 1200W portable power station.
This portable power station has a powerful battery capacity of 1008Wh, supporting AC wall outlets, solar panels and vehicle charging ways, and is designed to keep your electronic devices powered while on the go.

It comes with AC outlets, 12V DC output ports, 12V car port, Type-C port and fast charging USB ports 3.0 for your convenience. Perfectly for outdoor travel, it is compatible with most electronic devices such as drones, laptops, lights, smart phones, tablets and cameras.

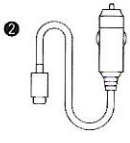
You can charge your electrical or digital devices with this unit in case of a power failure or when you are out or on a road trip.

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.

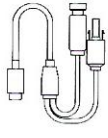
The power station is also suitable for camping and works well in keeping outdoor electrical appliances charged for uses such as night time power supply, medical power supply and general household electricity storage.

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.

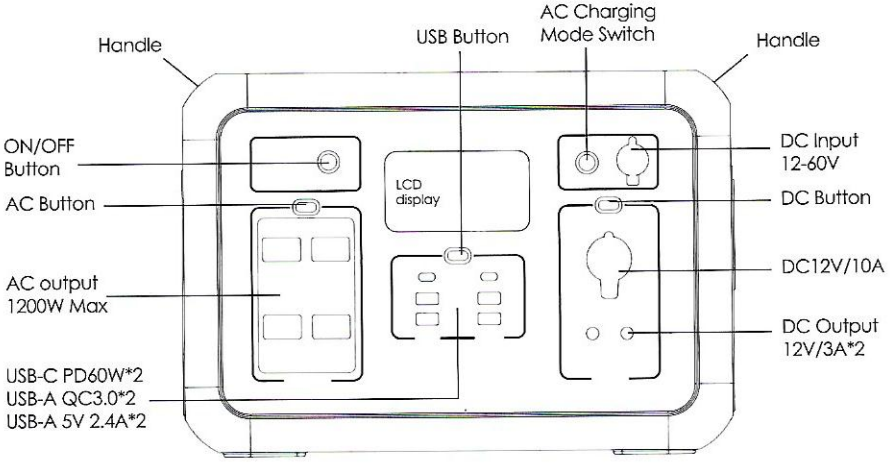
Technical Specification

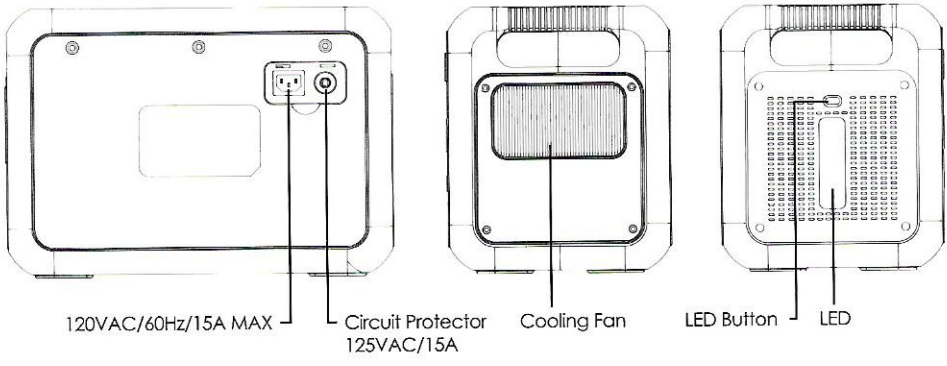
Battery Capacity	$LiFePO_4$ 1008Wh±5%(45Ah/22.4V)
AC Input Charging	AC90~120V 700W Max
Car Input Charging	DC12V~24V/8A Max
Solar Input Charging	DC12V~60V/10A 400W Max
Output Port	AC output*4: 110V±10%, 60Hz±5, 1200W, Peak 2400W
	USB-A1: 2*5V2.4A AUTO USB-A2: 2*QC18W Max, (5V3A&9V2A&12V1.5A QC3.0) USB-C: 2*PD60W Max, (5V3A&9V3A&12V3A&15V3A&20V3A PD3.0)
	1*Cigarette Lighter, 2*DC5521 Rated Output 13.8V/10A (Total 10A Max)
AC Output Waveform	Pure Sine Wave
LED Light	2W Max, 3 Levels(L/M/H adjustable), SOS function
Safety Protection	Short-Circuit Over-Current Over-Voltage Low-Voltage Over-Load Over-Temperature
Operation Temperature	0~40°C(32~104°F)
Battery Cycle Life	2500 times, SOH≥70%
Pass-Through Charging	Support
Weight	13kg/28.6lbs

Using Your 1200W 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.

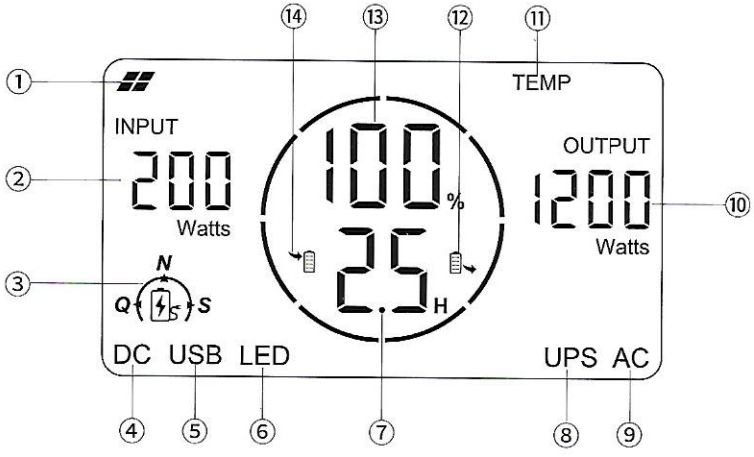
Product Diagram





*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 1500W, it will trip automatically. Press it once to reset the unit after these symptoms cleared.

LCD Display



①	Solar Panel Input Indicator	⑧ UPS	UPS Function Indicator
② INPUT 200 Watts	Input Power	⑨ AC	AC Output Indicator
③ N Q S	Charging Mode Indicator(Q,N,S)	⑩ OUTPUT 1200 Watts	Output Power
④ DC	DC Output Indicator	⑪ TEMP	Temperature Warning
⑤ USB	USB Output Indicator	⑫	Output Power Indicator
⑥ LED	LED Indicator	⑬ 100%	Remaining Battery Percentage
⑦ 25H	Remaining Usage Time or Remaining Charging Time(Hour)	⑭	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.)

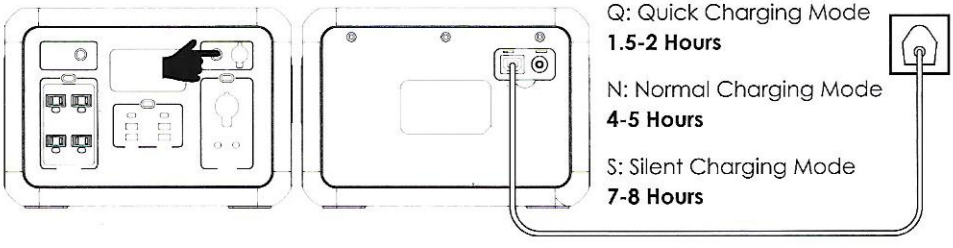
Auto-Sleep Mode:

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≤2W, the device will automatically shut down after 1 hour.

Ways to Recharge

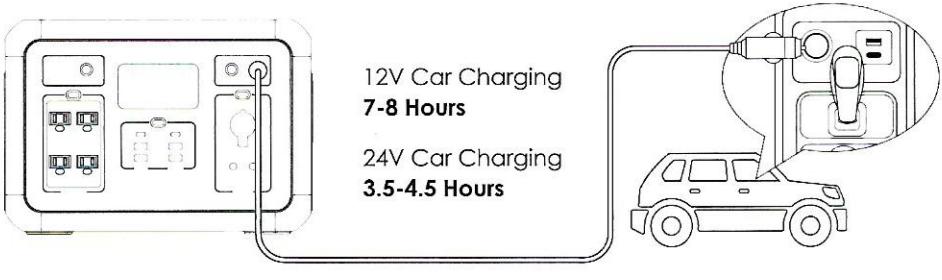
1.AC Wall Charging

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.



2.DC Vehicle Charging

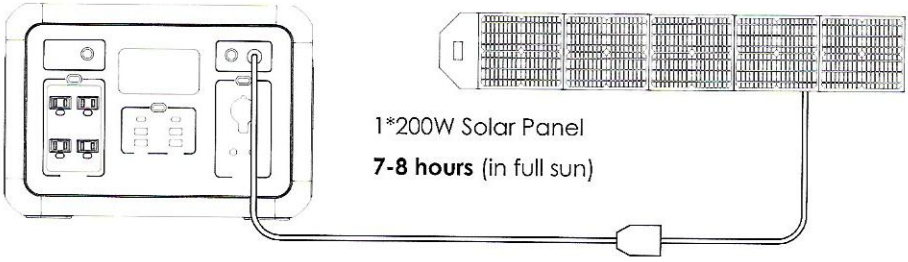
Please connect the unit directly to the vehicle plug-in cigarette lighter port via the car charging cable.



⚠ 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 DC12-60V.
The Max Solar Input Power of the power station is 400W.
We recommend a 200W-400W solar panel with the voltage of DC12V-60V.



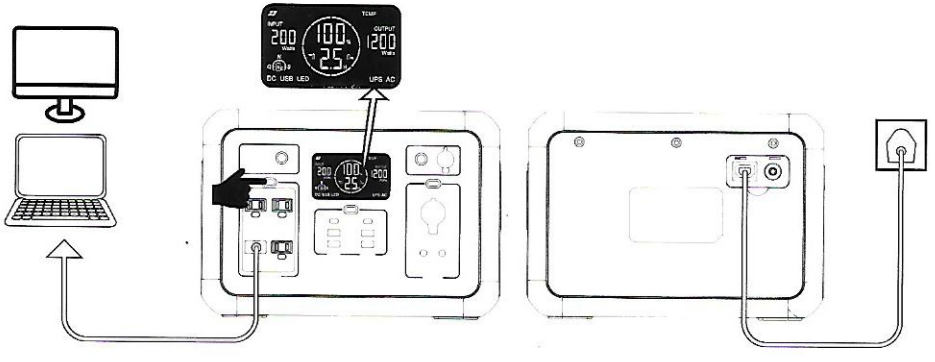
⚠ Never use higher than DC 60V to recharge this power station.
ONLY use solar panels with compatible voltage.

Safety Precautions When Charging

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. The UPS Bypass Mode prioritizes providing AC output power, then the excess power will supply for charging the power station.
Note: Max. output power: 1200W.
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** (150W) **6 Hrs**	 ***Mini Cooler** (50W) **18 Hrs+**	 **Blender** (300W) **3 Hrs**	 **Coffee Maker** (800W) **1 Hrs**	 **Washer** (500W) **1.8 Hrs**
 **Hand Drill** (600W) **1.5 Hrs**	 ***Refrigerator** (100W) **9 Hrs+**	 **TV** (90W) **10 Hrs**	 **Microwave** (900W) **1 Hrs**	 **CPAP** (40W) **22.6 Hrs**

NOTES:

1.Run time=1008Wh*90%(conversion rate)/Your device's power(Watts).

2.Support all electronic devices less than 1200 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.