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› LVYUAN Portable Power Station 1200W (Model LVYUAN1200S) User Manual

LVYUAN LVYUAN1200S

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INTRODUCTION

The LVYUAN 1200W Portable Power Station is a versatile and powerful energy solution designed to charge and operate a wide range of devices. With a substantial 1008Wh capacity and advanced LifePO4 batteries, it provides reliable power for smartphones, laptops, small appliances, and camping equipment. This power station features multiple output options, including AC (220V~240V), USB, Type-C, DC, and cigarette lighter ports, catering to diverse energy needs. It ensures uninterrupted power for essential devices during outages or emergencies, delivering a pure sine wave output for stable current and voltage.



Image: The LUYUAN Portable Power Station 1200W, a compact and robust power solution.

PRODUCT OVERVIEW

Package Contents

Upon unpacking, please verify that all the following items are included:

- LUYUAN Portable Power Station 1200W x 1
- AC Charging Cable (EU standard) x 1
- User Manual x 1

Note: A solar panel is not included with this offer and must be purchased separately if desired.

Size & Function

Product: Protoble Power Stations
model: M9



User manual



Car charge cable



Charging Wire



AC Power Adapter

<p>Energy of lithium ion battery pack: 45Ah/22.4V/1008Wh</p>	<p>Cell capacity: 315000mAh/3.2V</p>	<p>DC input: 12V-30V=10AMax</p>
<p>AC output: 220V/5.5A 50Hz Continuous:1200W Peak value: 1800W</p>	<p>DC Output: 12V-8.3A</p>	<p>USB 1 Output: 5V-12V=1.5A/18W</p>
<p>Type C1 Output: 5V-20V 325A/65W</p>	<p>USB 2 Output: 5V=2.4A</p>	<p>Type C2 Output: 5V-2.4A</p>
<p>Service temperature: 10~40°C</p>	<p>Charging temperature: 0~40°C</p>	

Image: The power station shown with its included accessories: user manual, car charge cable, charging wire, and AC power adapter.

Component Identification

Familiarize yourself with the various ports and controls on your power station.

OPERATION PANEL DETAILS



- | | |
|------------------------------------|--|
| ① LED LCD panel | ② AC output button (press and hold at the same time as the power button to switch frequency) |
| ③ USB-typeA (5V/2.4A) | ④ USB-typeC (5V/2.4A) |
| ⑤ USB-typeC (PD compatible 65W) | ⑥ Power button |
| ⑦ DC output button (Cigar socket) | ⑧ USB output button |
| ⑨ USB-typeA (QC3.0 compatible 18W) | ⑩ DC12V output (Cigar socket) |
| ⑪ Charging input port (XT60) | ⑫ AC power supply (AC100V) |
| | ⑬ Handle |

Image: This diagram illustrates the various components and controls on the operation panel of your power station. Key elements include the LED LCD panel, USB-Type A and Type-C ports, DC output button, AC output button, power button, DC12V output (Cigar socket), and the charging input port (XT60).

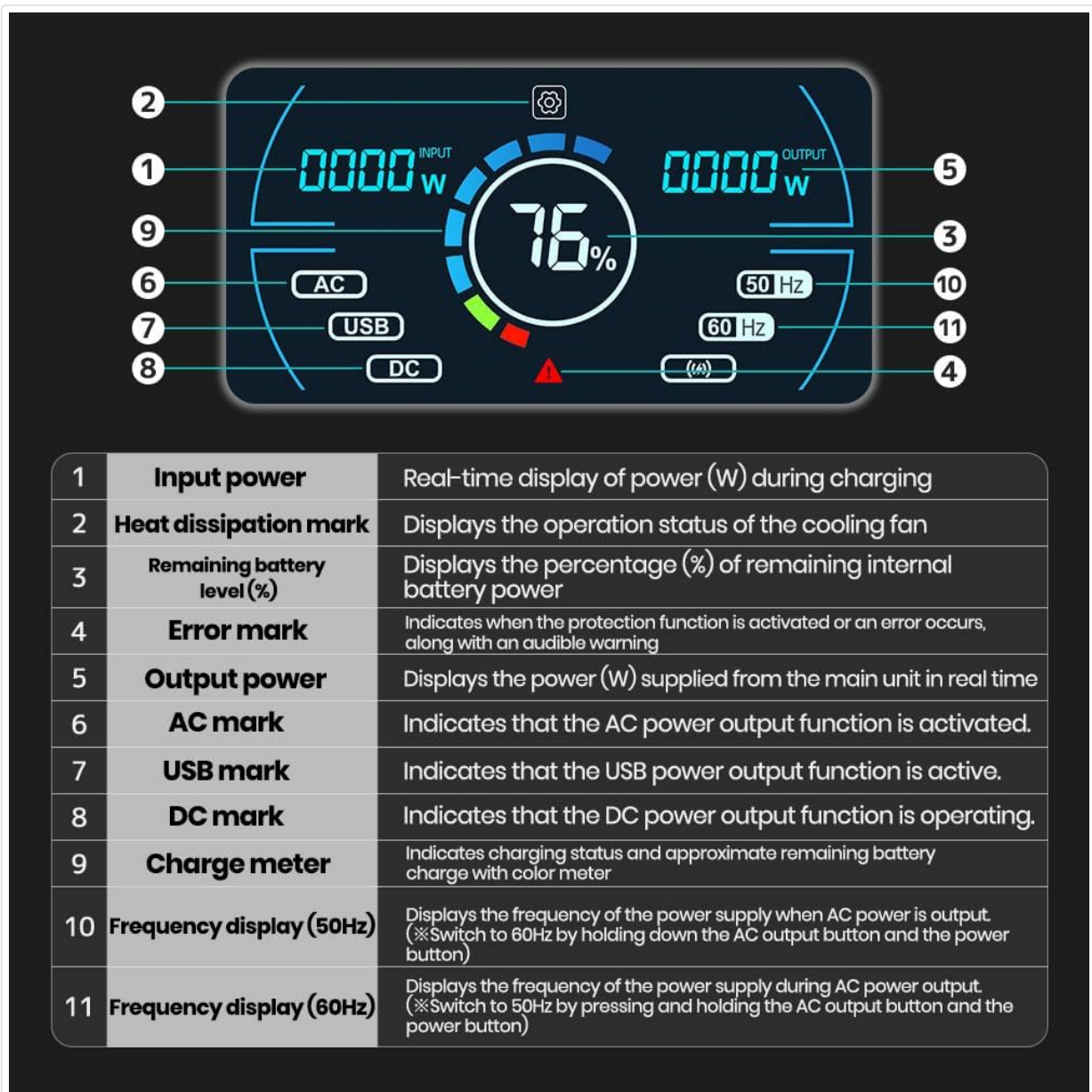


Image: The LCD display provides real-time information about the power station's status. It shows input power (W) during charging, heat dissipation status (cooling fan), remaining battery level (%), error indicators, output power (W), and activation marks for AC, USB, and DC outputs. It also includes a charge meter and frequency display (50Hz/60Hz).

SETUP

Initial Charging

Before first use, it is recommended to fully charge your LVIYUAN Portable Power Station. Use the provided AC charging cable to connect the power station to a standard wall outlet.

Alternative Charging Methods

Your power station supports multiple charging methods:

- **Standard AC Charging:** Connect the AC adapter to a wall outlet. This method typically charges the unit in approximately 5 hours.
- **Solar Charging:** Connect compatible solar panels (sold separately) to the XT60 input port. The power station supports PV charging with MPPT control and can accept DC 12V-30V input. Charging time is approximately 5 hours with 200W output solar panels, but varies based on sunlight conditions.
- **In-Vehicle Charging:** Use the car charging cable to connect the power station to your vehicle's 12V cigarette lighter socket. This method allows for charging while on the road or traveling, typically taking

6-8 hours.

CAN BE RECHARGED ACCORDING TO THE USAGE SCENARIO

Standard Charging

(AC100V charging adapter included)

About **5** hours

Fast charging recharges in a short period of time



Solar Charging

(using 200W output products)

About **5** hours

Supports PV charging with MPPT control. Can input DC 12V~30V

In-vehicle charging

(Using 12V cigar socket power supply)

About **6~8** hours

Can be recharged while on the road or traveling.



※The above data is calculated based on the specification values of each product and may differ in detail depending on the actual usage environment.

Image: This diagram summarizes the various charging methods: Standard AC charging (approx. 5 hours), Solar charging with 200W output products (approx. 5 hours), and In-vehicle charging using a 12V cigar socket (approx. 6-8 hours). Actual charging times may vary based on environmental conditions and power source.



Image: The power station can be charged using compatible solar panels (sold separately). Connect the solar panel to the XT60 input port on the power station. Charging time varies based on sunlight conditions.

Faster charging

Flash charging anytime, anywhere:
Connect the solar panel, and it can be fully charged
in 4 hours at most.
During driving, you can also use your car
charging output port for charging.

4 _h	6 _h	10 _h
300W	200W	120W



*The solar charging time is 3.5 hours to 7 hours, depending on the sunlight conditions.

Intelligent guardian

LVYUAN battery experts intensively research
BMS (Battery Management System) technology,
54 protection algorithms + 8 intelligent protections,
realize intelligent supervision of voltage,
current and temperature, and give you
a worry-free experience of using electricity
with peace of mind

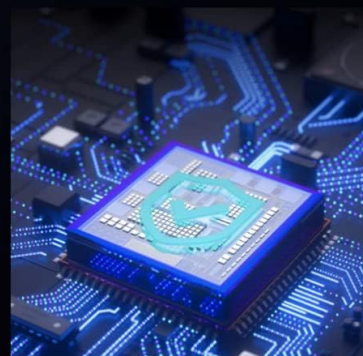


Image: This diagram illustrates the faster charging capabilities, showing that the power station can be fully charged in approximately 4 hours with a 300W solar panel or 6 hours with an adapter.

OPERATING INSTRUCTIONS

Powering On/Off

To turn the power station on or off, press and hold the main power button located on the control panel. The LCD display will illuminate upon activation.

Using DC Outputs

To activate the DC output ports (including the 12V cigarette lighter socket), press the dedicated DC output switch. The 'DC' indicator on the LCD display will light up, confirming activation. Connect your DC-powered devices to the appropriate ports.

Using USB Outputs

To use the USB-A and USB-C ports, press the USB output switch. The 'USB' indicator on the LCD display will activate. Connect your USB-powered devices for charging.

Using AC Outputs

To activate the AC outlets, press the AC output switch. The 'AC' indicator on the LCD display will light up.

You can switch between 50Hz and 60Hz frequency by pressing and holding the AC output button and the power button simultaneously. Connect your standard AC appliances to the outlets.

Connecting Devices

Once the desired output function (DC, USB, or AC) is activated, connect your devices to the corresponding ports. The LCD display will show the real-time output wattage, allowing you to monitor power consumption. The power station is designed to charge and power multiple devices simultaneously, provided the total power draw does not exceed its rated output.

MAINTENANCE

Storage

Store the power station in a cool, dry place away from direct sunlight, moisture, and extreme temperatures. Ensure the unit is fully charged before long-term storage. For optimal battery health, recharge the power station every 3-6 months, even if not in use.

Cleaning

Use a soft, dry cloth to clean the exterior surfaces of the power station. Do not use liquid cleaners, abrasive materials, or immerse the device in water. Keep the ventilation vents clear of dust and debris to ensure proper airflow.

Battery Care

The power station utilizes LifePO4 batteries, known for their durability and long cycle life. To maximize battery lifespan, avoid completely draining the battery frequently. Optimal performance and longevity are achieved by maintaining the battery charge between 20% and 80% whenever possible.

TROUBLESHOOTING

Device Not Charging/Powering On

- Ensure the power station is turned on and has sufficient battery charge.
- Verify that the specific output (DC, USB, or AC) you intend to use is activated by pressing its respective switch.
- Check if the device you are trying to charge or power is properly connected and functioning correctly.
- If using AC output, ensure the device's power consumption does not exceed the power station's rated continuous output (1200W) or peak output (1800W).

Error Indicator On Display

- An error mark on the display indicates that a protection function has been activated or an internal error has occurred. This may be due to conditions such as overload, over-temperature, short circuit, or critically low battery.
- Disconnect all connected devices and turn off the power station. Wait a few minutes, then restart it. If the error persists, please contact customer support.

Overheating

- If the heat dissipation mark is active, it indicates that the internal cooling fan is operating. This is normal during heavy use, high power output, or charging.
- Ensure that the ventilation vents on the power station are not blocked. Operate the power station in a well-ventilated area to allow for proper heat dissipation.

- If the device feels excessively hot and an error occurs, immediately disconnect all devices and allow the unit to cool down completely before attempting to use it again.

SPECIFICATIONS

Feature	Value
Brand	LVYUAN
Model Number	LVYUAN1200S
Battery Type	LifePO4 (Lithium Iron Phosphate)
Battery Capacity	1008Wh (45Ah/22.4V)
Cell Capacity	315000mAh/3.2V
AC Output (Continuous)	1200W
AC Output (Peak)	1800W
AC Output Voltage/Frequency	220V/5.5A 50Hz (Switchable to 60Hz)
Total AC Outlets	3
DC Input	12V-30V=10A Max
DC Output	12V=8.3A
USB 1 Output	5V-12V=1.5A/18W
USB 2 Output	5V=2.4A
Type C1 Output	5V-20V 3.25A/65W
Type C2 Output	5V=2.4A
Power Source	Battery, Solar
Recommended Uses	Residential, Camping, Commercial
Operating Temperature	10~40°C
Charging Temperature	0~40°C
Special Feature	Remote Start
Ignition System Type	Electronic
Manufacturer	LVYUAN
ASIN	B0CS5C698G

WARRANTY AND SUPPORT

Your LVYUAN Portable Power Station comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions, including the warranty period and coverage details. For technical support, troubleshooting assistance, or to initiate a warranty claim, please

contact LVYUAN customer service through their official website or the retailer where the product was purchased. It is recommended to keep your purchase receipt as proof of purchase for warranty purposes.