

Jackery Explorer 500

USER MANUAL

FEATURES • TECHNICAL SPECIFICATIONS • HOW TO CHARGE • FAQs • WHAT'S IN THE BOX



Congratulations on your new Jackery Explorer 500

ATTENTION

	Not permitted on aircrafts.
	To preserve the battery lifespan, please use and recharge at least once every 6 months.
	Use original or certified charger and cables.
	Avoid extreme temperature.
	Avoid dropping.
	Do not disassemble.
	It's not waterproof, do not expose to liquids.
	Please dispose of batteries and electronic goods in accordance with local regulations.

DISCLAIMER

- Our company cannot be held liable for damages caused by fire, earthquake, use by a third party, other accidents, intentional misconduct on the part of the customer, abuse or other abnormal conditions.
- Do not repair any damage to the AC plug or power supply on your own.
- The warranty covers all terms and conditions of the warranty. Contents that are not specified in the warranty terms and conditions are beyond our responsibility.
- Our company assumes no liability for damages caused by incorrect use or non-compliance with this instruction manual.

Intended use: The Jackery Explorer 500 portable power unit is intended as a power supply for electronic devices with a maximum power consumption of 500W. Our product is not suitable to be used with equipment that relates to one's own personal safety and relies heavily on electricity, such as medical devices, equipment for nuclear facilities, the manufacture of air and spacecraft, etc. We therefore assume no liability for accidents involving personal safety, fires, or machine failures, caused by using our product with the aforementioned devices.



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
 (1) This device may not cause harmful interference.
 (2) This device must accept any interference received, including interference that may cause undesired operation.



SAFETY INSTRUCTIONS

Read the following instructions to ensure safe usage:

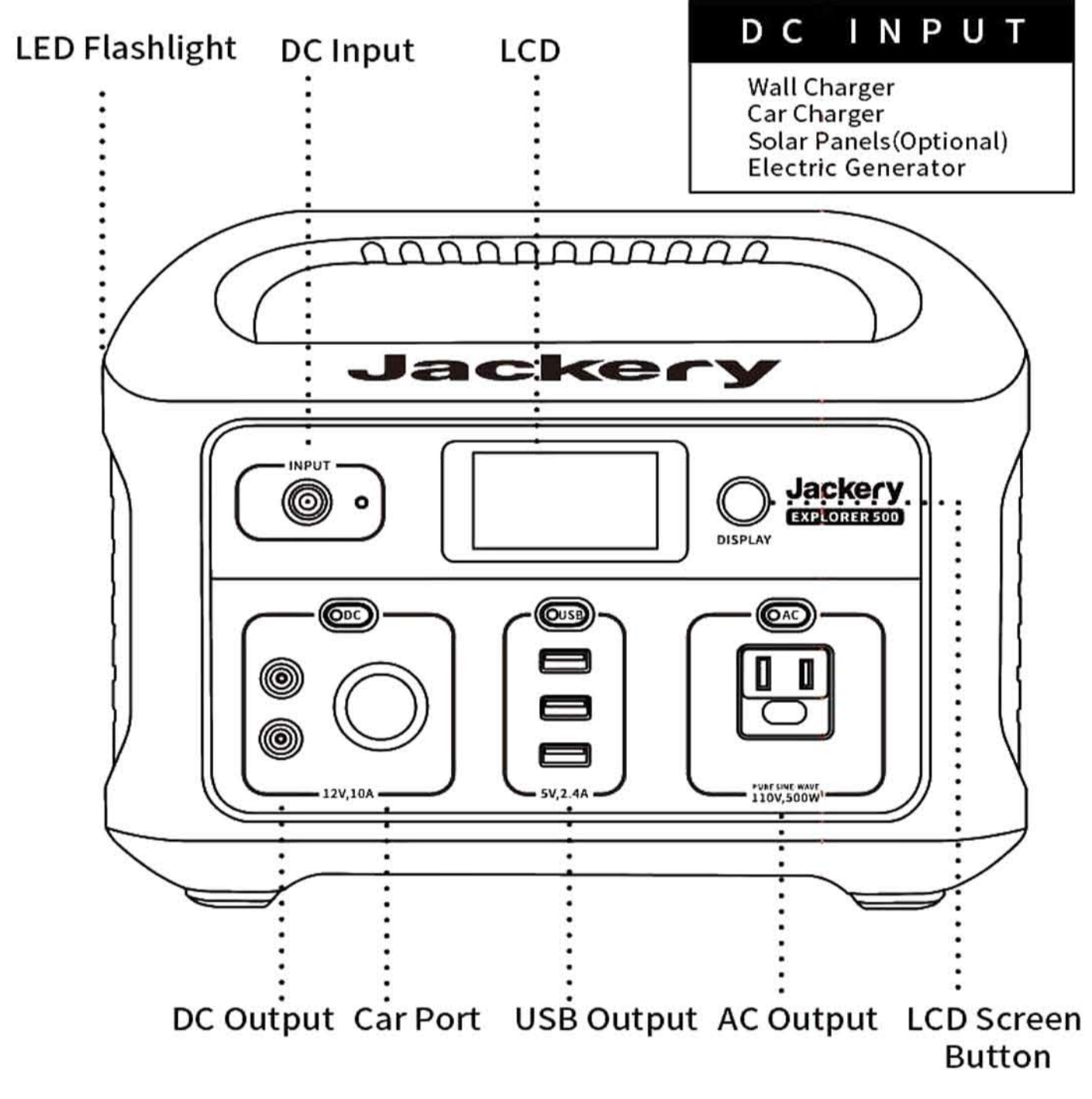
<p>DANGER Noncompliance may very likely lead to serious injury* or death</p> <ul style="list-style-type: none"> DO NOT disassemble, repair or modify the unit or the battery. DO NOT place the unit close to or in a fire or expose it to heat. Keep out of direct sunlight. DO NOT charge, use or store the unit in a bathroom or in an area exposed to rain or moisture. Only use the output socket to power external devices. Never connect the output to mains power under any circumstances. DO NOT touch the unit or the plug-in points if your hands are wet. DO NOT connect any metallic objects to the AC input or output. DO NOT rub your eyes if fluid from inside the unit should get in your eyes. DO NOT disassemble the unit together with household waste. DO NOT use any inappropriate power cords. DO NOT operate the unit above the specified input voltage. DO NOT use the unit if it is not functioning correctly. DO NOT move the unit if it is recharging or in use. DO NOT put fingers or hands into the product. DO NOT use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury. DO NOT disassemble the power pack, take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock. 	<p>WARNING Noncompliance may lead to serious injury** or death</p> <ul style="list-style-type: none"> Use and store the unit only in a clean and dry environment. DO NOT use and store in dusty and wet environment. Check the unit prior to every use. DO NOT use the unit if it is damaged, broken. DO NOT use the unit if the power cord is damaged or broken. Keep the unit away from children. DO NOT let children use the power supply unit. Keep this product away from pets. DO NOT use or store the unit in an area or environment with high temperature. Should fluid from inside of the unit come in contact with your skin or clothing, wash the affected areas with tap water. In a storm, unplug the power cord from the socket. DO NOT charge the unit via power supply systems that operate outside of 100-240V. DO NOT place the unit on its side or upside down while in use or storage. DO NOT use accessories for other usage. <p>WARNING - RISK OF EXPLOSIVE GASES. To reduce risk of battery explosion, follow these instructions and those published by battery manufacturer and manufacturer of any equipment you intend to use in vicinity of the battery. Review cautionary marking on these products and on engine.</p> <p>PERSONAL PRECAUTIONS 1) NEVER smoke or allow a spark or flame in vicinity of battery. 2) Be extra cautious to reduce risk of dropping a metal tool onto battery. It might spark or short-circuit battery or other electrical part that may cause explosion. 3) DO NOT expose a power pack to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.</p>	<p>CAUTION Noncompliance may lead to injuries and/or property damage***</p> <ul style="list-style-type: none"> If rust, peculiar odors, overheating or other abnormal circumstances are observed, stop using the unit immediately and contact the dealer or our customer service center. The unit complies with all legal requirements for transport of dangerous goods. Make sure that the unit is properly secured when transporting it in a motor vehicle. Only charge, use and store the unit within an ambient temperature of 0 to 40 °C (32 ~ 104 °F). Switch the unit off immediately if it has accidentally fallen, was dropped or was exposed to vibrations. Carefully read the instructions for the electric devices that you intend to connect to your power supply unit. Make sure that the device you are connecting is switched off before you connect it.
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Serious injuries include blindness, burns, electric shock, fractures, poisoning, etc., which can lead to complications, hospitalization or permanent treatment.
 ** Injuries include burns, electric shock, etc., which do not lead to hospitalization or permanent treatment.
 *** Property damage: includes buildings, belongings and pets, etc.

SPECIFICATIONS

Capacity	Weight	Dimensions	DC Input	AC Output	Car Port	DC Output	USB Output
24Ah/21.6V (518Wh)	Around 6kg / Around 13.3lbs	Around 30 x 19.2 x 24.2cm / Around 11.8 x 7.6 x 9.5in	25.2V=3.5A, (Support 12-30V)	110V~4.54A, 60Hz, 500W max continuous, 1000W surge peak	12V=10A	2 x 12V=7A	3 x USB-A Output: 5V=2.4A (USB Output: Total 30W max)

Battery	LED Flashlight	Lifecycles	Operating Temperature	Recharging Temperature	Management System	MPPT	Warranty	Certifications	Technical Support
Lithium-ion	SOS LED	≥ 500	-10 ~ 40 °C	0 ~ 40 °C	Under voltage Protection Over voltage Protection Over current in Charge/Discharge Protection Short Circuit in Charge/Discharge Protection Over temperature in Charge/Discharge Protection Overcharging Voltage Protection	Support Solar Panel MPPT Charging	24 Months	FCC, RoHS, UN38.3	Lifetime



POWER

LCD Screen Button
Press the power button to check the remaining battery.
AC Button / DC 12V Button / USB Button
Turn off each output by pressing its power button as it does not turn off automatically or it will drain the battery out.

LED FLASHLIGHT

Press button for LED flashlight, hold on button for 2-3 seconds for SOS function, press button one more time to turn off.

LCD

Power Level Percentage
Check the battery level by pressing the display button before use. If battery is at a low level, charge first.

LCD screen flickers 10 times when battery capacity drains to 20% and 10%.

Power of Input & Output (W)
If the Jackery Explorer's total output exceeds 500W, it will automatically shut off.
Please ensure the power consumption is less than 500W, then press the power button.

Low & High Temperature Alarm
The Explorer 500 can power your devices at temperatures ranging from -10 ~ 40°C (14 ~ 104°F). If your working temperature is outside this range, the Explorer 500 may stop working.

CHARGING

Here are some common devices and their power requirements for each charging port.

<p>DC Output</p> <ul style="list-style-type: none"> Car Fridge (60W) Around 37 Hours Drone (90W max) Around 9 Recharges
<p>AC Output</p> <ul style="list-style-type: none"> 12" Mac book (30W) Around 7 Recharges 32" TV (60W) Around 7.5 Hours CPAP Machine Around 13-40 Hours
<p>USB Output</p> <ul style="list-style-type: none"> Smartphone (18W max) Around 53 Recharges Motion Camera (5W max) Around 95 Recharges

Explorer 500 will be turned off automatically in 12 hours when being drawn under 10W power for power saving

RECHARGING

Before use or storage, plug your Explorer 500 into the wall until it is fully charged. If the LCD shows less than 20% capacity, plug it into a power source, like an AC outlet or a solar panel, as soon as possible. There are four ways to recharge your Jackery Explorer:

Wall Charger Around 7.5 Hours	Car Charger Around 16 Hours	100W Solar Panels (Optional) Around 9 Hours (Depending on Weather)
Electric Generator Around 7.5 Hours		

FAQs

- What type of battery is in an Explorer 500?**
Explorer 500 contains a battery pack which consists of an array of cylindrical 2400 lithium-ion battery cells with high energy density.
- How do I know if my Explorer 500 is charged?**
To check the charge level of the Explorer 500, refer to the LCD Battery Display.
- Can I charge the Explorer 500 while supplying power at the same time?**
The Explorer 500 could power other devices while recharging itself.
- How do I know if my device will work with the Explorer 500?**
You will need to check the amount of power your device requires. This may require some research on your end. An online search or examining the user guide for your device should suffice. To be compatible with the Explorer 500 you should use devices that require less than 500W.