

Jackery

USER MANUAL

Model: JSG-1500B





red dot award 2016
winner



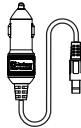
WHAT YOU SHOULD DO WHEN YOU GET YOUR POWER STATION

Package List

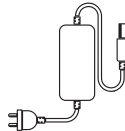
Check that you received all accessories (Car Charger, AC Charger, 2*Solar Charge Adapters, and User Manual).
If any charger cables are missing, please feel free to contact us at hello@jackery.com.



Jackery Explorer 1500



Car Charger



AC Charger



2*Solar Charge Adapters



User Manual

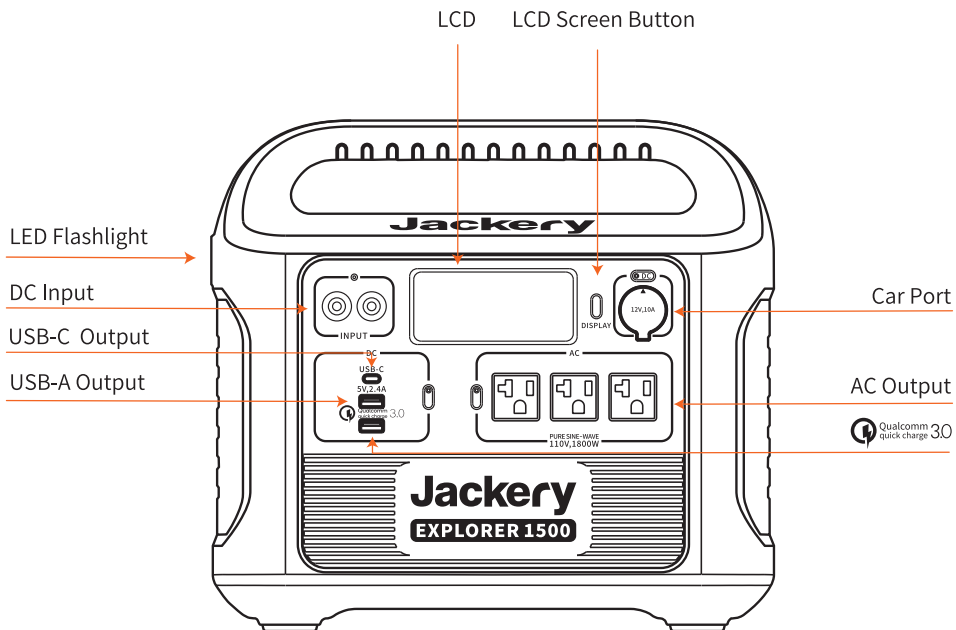
Product Inspection

- Check to see that you have received the correct model.
- Check the appearance of the product first to see if there is damage or cracks.
- Test the power station's input and output function.

***Note:** Before using your new Jackery Explorer 1500, it is important to fully charge it by plugging it into a suitable power outlet.

PRODUCT INFO

Pic of Input & Output Ports



Specifications



Capacity

1534.68Wh
(60.9Ah/25.2V)



Weight

16kg / 35.27lbs



Dimensions

35.6 x 26.4 x 32.3cm
14 x 10.4 x 12.7in



DC Input

2 x 24V \equiv 10.5A
(Dual-input supports 500W max at 12-30V)



AC Output

3 x 110V~ 60Hz, 16.4A
1800W max continuous
3600W surge peak



Car Port

12V \equiv 10A



USB Output

USB-A Output: 5V \equiv 2.4A
USB-C PD Output : 5V \equiv 3A, 9V \equiv 3A,
12V \equiv 3A, 15V \equiv 3A, 20V \equiv 3A
Qualcomm® Quick Charge™ 3.0 Output:
5-6.5V \equiv 3A, 6.5-9V \equiv 2A, 9-12V \equiv 1.5A



Battery

Lithium-ion



Lifecycles

\geq 500



Management System

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



MPPT

Support
Solar Panel MPPT
Charging



LED Flashlight

SOS LED



Certifications

FC RoHS UN38.3
EC **WARNING** Qualcomm® Quick Charge 3.0



Operating Temperature

-10~40 °C
(14~104 °F)



Recharging Temperature

0~40 °C
(32~104 °F)

HOW TO RECHARGE THE POWER STATION & RECHARGE TIMES

Before use or storage, plug your Explorer 1500 into the wall until it is fully charged.

If the LCD screen shows less than 20% capacity, plug it into a power source, like an AC outlet or a solar panel, as soon as possible.

Recharge Time



Solar Charger: 400W Max

Around 4 Hours



Wall Charger: 500W Max

Around 3 Hours



Car Charger: 100W Max

Around 15.5 Hours

How to Use the SolarSaga 100W to Charge the E1500

Jackery Recommended Solar Setup:

Use at least two SolarSaga 100W solar panels to charge the E1500.

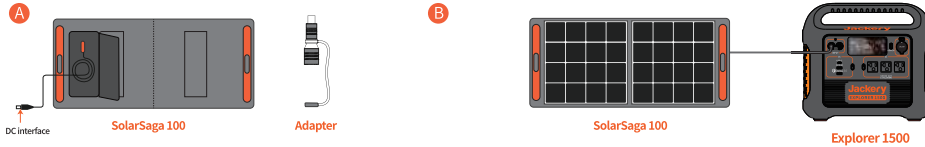
Single SolarSaga 100W for the Explorer 1500

One SolarSaga 100W solar panel (not included) can quickly charge the Explorer 1500 in 18 hours.

Solar recharging steps:

A. Find the DC interface on the back of SolarSaga 100W;

B. Connect the DC interface with the adapter (included), and then plug it into the DC input of Explorer 1500.



Two SolarSaga 100W for the Explorer 1500

Two SolarSaga 100W solar panels (not included) can quickly charge the Explorer 1500 within 8.5 hours.

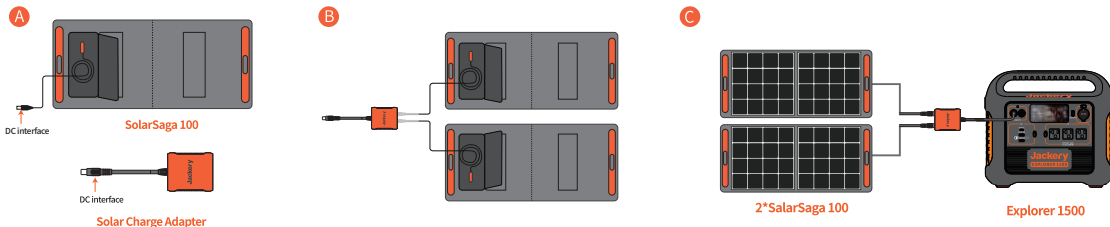
Solar recharging steps:

A. Find the DC interface on the back of SolarSaga 100W;

B. Connect the DC interfaces of 2* SolarSaga 100W with the Solar Charge Adapter;

C. Connect the Solar Charge Adapter with the DC input of Explorer 1500.

D. You can plug two sets of two SolarSaga 100W panels into both DC inputs of the Explorer 1500 for double the solar charging speed (4* SolarSaga 100W panels total).



HOW TO USE THE POWER STATION

Starting the Explorer 1500

◎ Power

LCD Screen Button

Press the power button to check the remaining battery.

AC/ DC /USB Button

Turn on each output by pressing its power button. When an output type is not in use, it is important to turn it off to save battery power.

◎ LCD Screen

Power Level Percentage

When the remaining power is at 20%, the "20%" icon, as well as the low battery icon will light up on the display screen for 30 seconds. If the display is set to be on for more than 30 seconds, the icons will always be on. When the remaining power is at 5%, the "5%" icon, as well as the low battery icon will light up on the display screen the whole time. If the product is being recharged in a low battery condition, the remaining power will increase to the normal display condition.

Output Power (W)

Before turning the power on, ensure total power consumption does not exceed 1800W. If the Jackery Explorer total output exceeds 1800W, it will shut off.

Display

The normal Auto-Power-Off-Display time frame is 30 seconds. If you would like to set the display on more than 30 seconds, please double press the DISPLAY button. The other way around, if you would like to reset back to the normal time frame, just simply press once the DISPLAY button.

Low & High Temperature Alarm

The E1500 can power your devices in temperatures ranging from -10~40 °C (14~104 °F). If your working temperature is outside this range, the unit may stop working. The E1500 should be recharged in ambient temperatures between 0~40 °C (32~104 °F).

Time reminder

The remaining power time of both charging and recharging is displayed with only has two digits - up to 99 hours. When the remaining power time is less than 99 hours, it will be displayed as it is. This can also be used as the remaining power countdown method.

Low Power Mode

Press the AC SWITCH and DISPLAY button together the same time to turn on the Low Power Mode for reducing power consumption. On the right side, above the battery power percentage display, a small icon will light up. On the Regular Power Mode, the product will turn off automatically after 12 hours without using, but the Low Power Mode WILL NOT TURN OFF. If there is no need to use the Low Power Mode, it can be turned off by pressing the AC SWITCH to avoid power waste.

◎ Other

Fan Operating Principle

When the AC power is turned on, the fan will not automatically run. The E1500 uses an intelligent temperature control that only uses the fan when needed to cool the unit.

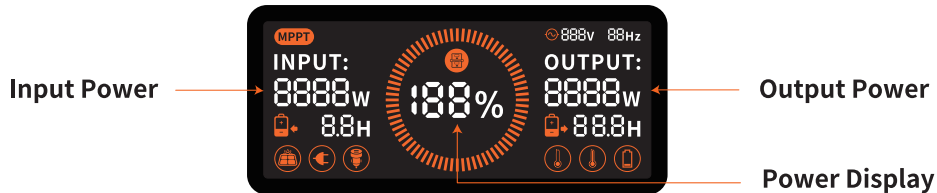
How to reset the Explorer 1500







Please hold the display power button and USB button simultaneously for at least 13 seconds to reset the battery.






When does the power station need to be reset?

If the power station is not working correctly, resetting the battery is the first troubleshooting step and may solve the problem.

Note: Turn on each output by pressing its power button. When an output type is not in use, it is important to turn it off to save battery power.



	Solar Charging Indicator
	AC Wall Charging Indicator
	Car Charging Indicator
	Low power output
 	Low-Temperature and High-Temperature Indicator. The E1500 should be used in ambient temperatures between -10~40 °C (14~104 °F).







	Low Battery Indicator: Recharge the battery to 100% before using.
	Recharging Indicator
	Discharging Indicator (The battery is being used.)
	AC Power Indicator (Inverter is being used to power AC devices)
	When the Explorer 1500 is being charged, the orange circle around the battery percentage will light up clockwise. When charging other devices, the orange circle will remain lit.

*The Explorer 1500 can be recharged when the input power is within 12-30V.

GIVE YOUR APPLIANCES MORE RUN TIME

Note:The running time of the E1500 for the following equipment was tested in the laboratory, which has strict controls on temperature. The working hours can also be affected by many other factors. The actual working time = $1534.68\text{Wh} \times 0.85$ / operating power of your device in watts.

Charging

						
	Coffee maker (1120W)	Air Fryer (1700W)	Toaster (650W)	Car Fridge (60W)	Drone (90W max)	Motion Camera (5W max)
RUN TIME	About 70 Minutes	About 0.6-1 Hours	About 1.8-3.6 Hours	About 90 Hours	About 30 Recharges	About 250 Recharges

For inductive load devices:

- **What is the inductive load device?**

Inductive loads are found in devices like motors, solenoids, contactor coils, compressors, and speakers. When turned on, the device's current lags behind the voltage. This causes a large spike in power.

- **An inductive load will use up to 3X its normal power usage when it starts.**
- **When checking to see if the E1500 can run a device, check to see if it has an instant start power rating.**

Troubleshooting

Problem With Input (AC/DC)

If there is a problem when using the AC charger cable or DC car charging cable:

- Check if the charger cable and the power station are reliably connected and if the charger indicator light is on.
- Make sure you are using the correct Jackery charging cable.
- Check to see if the charging indicator is on and the charging power is shown on the display.
- If the AC cable is not working, try using the car charging cable to see if the power station will charge.

This troubleshooting is also fit for DC input failure.

Problem With Solar Charging

Using Jackery solar panel to charge the E1500:

- Check all connections are secure.
- Use the provided AC charger to see if the power station will charge.
- Use a soft cloth to clean the dust and dirt off of the solar panel.
- Test the solar panel under bright sunlight at midday. Ensure there are no shadows cast on the panel. Plugin and unplug the panel several times.

Using other brand solar panel to charge the E1500:

- Check all connections are secure.
- Use the provided AC charger to see if the power station will charge.
- Use a soft cloth to clean the dust and dirt off of the solar panel.

- Test the solar panel under bright sunlight at midday. Ensure there are no shadows cast on the panel. Plugin and unplug the panel several times.

If E1500 can be recharged by the AC charger and not the solar panel, there is probably nothing wrong with the E1500. The solar panel may be the issue.

Problem with Output (AC/DC/USB)

When the power station has something wrong with the AC/DC/USB output, please hold the display power button and USB button simultaneously for at least 13 seconds to reset the battery.

Problem With LCD Screen

Hold the display power button and USB button simultaneously for at least 13 seconds to reset the battery.

Customer Support:

If there are some problems with the power station, please feel free to contact us at hello@jackery.com. To provide you with the fastest response possible, please provide the following information in your email.

[Amazon order number/ Web order number + issue + S/N code + Pictures / video if needed.](#)

FAQ

Q1: What devices can Explorer 1500 power?

A: The AC output port can charge/power devices that operate at less than 1800 watts.

Q2: Can the Explorer 1500 be charged while using?

A: Yes, the Explorer 1500 supports pass-through charging. But we don't suggest it because doing so will cause damage to battery life.

Q3: Can the E1500 be used as UPS?

A: No, the E1500 can't be used as UPS. You need to press the power button to turn on the AC/USB /DC output. Therefore it can't turn on and off automatically.

Q4: How to know the working times for my device?

A: Working time = $1534.68\text{Wh} \times 0.85$ / operating power of your device (watts).

Q5: Does the Explorer 1500 include a built-in MPPT controller?

A: All Jackery power stations have a built-in MPPT controller.

Q6: How do I know the Explorer 1500 is charged?

A: To check the charge level of the Explorer 1500, refer to the LCD Battery Display.

Q7: Can I keep this charged up by keeping it plugged in all the time in case of power outage?

A: Yes, you can keep the battery plugged in to charge. Keeping it plugged in won't cause damage to the battery.

Q8: Can I use it indoors?

A: Yes, the Explorer 1500 is safe to use indoors.

Q9: Why does it take so long to charge the power station from 99% to 100%?

A: When the battery is low, the charging power is greater, so the battery charges faster. As the battery reaches a higher and higher charge, the difference between the charging voltage and the battery voltage becomes closer. This means the battery will charge at a slower and slower rate as it approaches 100%.

Q10: Can I find any video about recharging the Explorer 1500?

A: Yes! Follow the instructions below to see the product video:

- Go to jackery.com.
- Click the "Support", and then choose "FAQ."
- Find the appropriate video in the "Product Video" section.

Q11: Are the output ports regulated, and if so, which ones are regulated?

A: All output ports of Jackery power stations are regulated. The voltage won't change when the battery power decreases.

Q12: Are the batteries inside replaceable?

A: No, the batteries inside of Jackery power stations are not replaceable.

If you have more questions you can contact us using the instructions below:

- Go to jackery.com.
- Click the "Support", and then choose "FAQ."

PRODUCT GUIDELINES

- Please recharge it every 3-months to keep the battery power above 50% if you don't use it.
- It's suggested to recharge the battery before the power drops below 15%.
- Only charge the E1500 within an ambient temperature of 0-40°C (32-104°F). Discharge temperature is -10-40°C (14~104 °F). Storage temperature is 1 year at -20~25 °C (-4~77 °F), 3 months at -20~45 °C (-4~113 °F), and 1 month at -20~60 °C (-4~140°F).
- Please keep the battery laid flat during use, charging, and storing.

WARRANTY

Note: We only provide the warranty for the buyer who purchased on Amazon (Jackery Inc) , Jackery website or local authorized dealers.

Limited Warranty

Jackery Inc. warrants to the original consumer purchaser that the Jackery product will be free from defects in workmanship and material under normal consumer use during the applicable warranty period identified in the 'Warranty Period' section below, subject to the exclusions set forth below.

This warranty statement sets forth Jackery's total and exclusive warranty obligation. We will not assume, nor authorize any person to assume for us, any other liability in connection with the sale of our products.

Warranty Period

The warranty period for Jackery power products is 24 months. In each case, the warranty period is measured starting on the date of purchase by the original consumer purchaser. The sales receipt from the first consumer purchase, or other reasonable documentary proof, is required in order to establish the start date of the warranty period.

Exchange

Jackery will replace (at Jackery's expense) any Jackery product that fails to operate during the applicable warranty period due to defect in workmanship or material. A replacement product assumes the remaining warranty of the original product.

Limited to Original Consumer Buyer

The warranty on Jackery's product is limited to the original consumer purchaser and is not transferable to any subsequent owner.

Exclusions

Jackery's warranty does not apply to:

- Misused, abused, modified, damaged by accident, or used for anything other than normal consumer use as authorized in Jackery's current product literature.
- Attempted repair by anyone other than an authorized facility.
- Any product purchased through an online auction house.
- Jackery's warranty does not apply to the battery cell unless the battery cell is fully charged by you within seven days after you purchase the product and at least once every 3 months thereafter.

Customer Support : hello@jackery.com

To obtain warranty service, contact our customer service team at hello@jackery.com.

How to Register the Item and Get the Warranty?

- Go to jackery.com.
- Each sentence should have a period.Fill in the information form, and then submit.
- You will get a 36-month warranty in total when you finished.
- Contact hello@jackery.com via our site by following the instructions below.

CUSTOMER SUPPORT: hello@jackery.com



www.jackery.com



hello@jackery.com



1-888-502-2236
Mon-Fri 9:00AM - 6:00PM (PST)



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[Jackery Inc.](https://youtube.com/JackeryInc)

hello@jackery.com

Please kindly contact us at hello@jackery.com in the follow way:

- Go to jackery.com.
- Click the "Contact," and then choose Support Email: hello@jackery.com.
- To provide you with the fastest response possible, please provide the following information in your email.

Amazon order number/ Web order number + issue + S/N code + Pictures / video if needed.

WARRANTY

Contact Info	
Email address	Buyer Name
Order Details	
Order ID	
Serial Number	
Issue Details	
Upload proof of purchase & photos of the device itself with Jackery logo showing	



jackeryinc



jackery.inc



jackeryusa



Jackery Inc.



JACKERY INC.

48531 WARM SPRINGS BLVD STE 408 FREMONT,
CA 94539-7793

Tel: 1-888-502-2236

E-mail: hello@jackery.com

Website: www.jackery.com