

## Jackery Explorer 290

# Jackery Portable Power Station Explorer 290 User Manual

Model: Explorer 290 | Brand: Jackery

## 1. INTRODUCTION

The Jackery Portable Power Station Explorer 290 is a versatile backup lithium battery designed to provide reliable power for outdoor adventures, camping, travel, and home emergencies. With its 290Wh capacity and 200W pure sine wave AC outlet, it can power various devices efficiently and safely. This manual provides essential information for the proper setup, operation, and maintenance of your Explorer 290.

## 2. KEY FEATURES

- **200-WATT Continuous Output, Compact, Easy to Carry:** The Explorer 290 has 290Wh capacity with 200W power output, user-friendly design, small size, and durable handle, making it lightweight, stylish, and easy to carry.
- **Reliable Outdoor Companion:** With its eco-friendly and quiet features, the Explorer 290 is an excellent investment for your outdoor life. It supplies the power you need, where you need it, without harmful fumes, unlike gas generators.
- **All-in-one Portable Power Station:** Includes two USB ports, standard PURE SINE WAVE AC outlet, and a 12V car output. The LCD screen displays charge/discharge data and battery life status. It can power devices like a car fridge while protecting your car's battery.
- **Three Ways to Recharge:** Can be recharged via Solar Panel (5 hours), Wall socket (6 hours), or Vehicle's 12V output (6.5 hours).

# POWER FOR MULTIPLE DEVICES



**PHONE**  
**29Charges**  
(iphone12)



**CAMPING LIGHT**  
**46Hrs**  
(5W)



**DRONE**  
**6Charges**  
(60W)



**LAPTOP**  
**4Charges**  
(Macbook Pro13)

Image: The Jackery Explorer 290 demonstrating its ability to power multiple devices simultaneously, including phones, camping lights, drones, and laptops.

## 3. SETUP

### 3.1 Unpacking and Initial Inspection

Upon receiving your Jackery Explorer 290, carefully unpack all components. Verify that the package contains the power station and the charging cable. Inspect the unit for any visible damage. If any components are missing or damaged, contact customer support immediately.

### 3.2 Initial Charging

It is recommended to fully charge the Explorer 290 before first use. Connect the provided charging cable to the INPUT port on the power station and plug it into a standard wall outlet. The LCD display will show the charging status. A full charge typically takes approximately 6 hours via a wall socket.

# 3 WAYS OF RECHARGING



WALL OUTLET  
6hrs



SOLARSAGA 90  
5hrs



CAR OUTLET  
6.5hrs



Image: The Jackery Explorer 290 illustrating its three recharging methods: wall outlet, SolarSaga 90 (solar panel, sold separately), and car outlet.

## 4. OPERATING INSTRUCTIONS

### 4.1 Powering On/Off

To power on the unit, press and hold the main power button (usually labeled 'Display' or 'Power') until the LCD screen illuminates. To power off, press and hold the same button until the screen turns off.

### 4.2 Using AC Outlets

To use the AC outlets, ensure the unit is powered on, then press the 'AC' button to activate the AC output. The indicator light next to the AC button will turn green. Plug your device into one of the AC outlets. Remember that the total power draw should not exceed 200W continuous output. Press the 'AC' button again to turn off the AC output when not in use.

### 4.3 Using USB Ports

The Explorer 290 features two USB-A ports (5V, 2.4A) and one USB-C PD 60W port. Simply plug your USB-compatible devices

into the appropriate port. USB output is typically active when the unit is powered on.

#### 4.4 Using 12V DC Output

To use the 12V DC car outlet, ensure the unit is powered on, then press the 'DC' button to activate the DC output. The indicator light next to the DC button will turn green. Plug your 12V compatible device into the port. Press the 'DC' button again to turn off the DC output when not in use.

# 3 OUTPUTS FOR CHARGING SIMULTANEOUSLY

**1\* CAR CHARGER  
12V, 10A**

**1\* AC OUTLET  
110V, 200W**

**2\* USB-A OUTPUTS  
5V, 2.4A**



Image: The Jackery Explorer 290 highlighting its three output options: 12V, 10A car charger, 110V, 200W AC outlet, and 2 USB-A outputs (5V, 2.4A).

## 5. CHARGING METHODS

The Jackery Explorer 290 offers flexible charging options:

- **Wall Outlet:** Connect the provided AC charging cable to the INPUT port and a standard wall outlet. Full charge in approximately 6 hours.
- **Car Outlet:** Use the included car charger cable to charge from your vehicle's 12V output. Full charge in approximately 6.5 hours.



- **Solar Panel (Sold Separately):** Connect a compatible solar panel (e.g., Jackery SolarSaga 90) to the INPUT port. Charging time depends on solar intensity and panel wattage. With an MPPT controller, solar charging can be faster, taking approximately 5 hours with a suitable panel.

# BUILT-IN MPPT CONTROLLER FASTER SOLAR RECHARGING

WITH MPPT CONTROLLER 5h  100%

Without MPPT Controller 5h  70%



Image: The Jackery Explorer 290 connected to a solar panel, demonstrating faster solar recharging with its built-in MPPT controller.

## 6. SAFETY INFORMATION

The Jackery Explorer 290 is equipped with multiple protection features to ensure safe operation:

- **Over Temperature Protection:** Prevents overheating of the unit.
- **Short Circuit Protection:** Safeguards against short circuits.
- **Over Discharge Protection:** Protects the battery from being fully depleted.
- **Over Power Protection:** Prevents damage from excessive power draw.
- **Overcharge Protection:** Ensures the battery is not overcharged.
- **Overvoltage Protection:** Shields against voltage spikes.



Always operate the power station in a well-ventilated area. Do not expose the unit to extreme temperatures, direct sunlight for prolonged periods, or moisture. Keep out of reach of children.

# PORTABLE POWER STATION



	Over Temperature Protection
	Short Circuit Protection
	Over Discharge Protection
	Over Power Protection
	Overcharge Protection
	Overvoltage Protection

Image: The Jackery Explorer 290 highlighting its comprehensive safety features, including protections against over temperature, short circuit, over discharge, over power, overcharge, and overvoltage.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your Jackery Explorer 290:

- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the battery to 50-80% every 3-6 months to maintain battery health.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge the unit promptly after use, especially if it has been heavily discharged.

## 8. TROUBLESHOOTING

If you encounter issues with your Jackery Explorer 290, refer to the following common solutions:

- **Unit Not Turning On:** Ensure the battery is charged. If the battery is depleted, connect it to a power source and allow it to charge for a few minutes before attempting to power on again.
- **No Output from Ports:** Check if the specific output (AC, DC, USB) is activated by pressing its respective button. Ensure the device you are trying to power is within the unit's wattage limits.
- **Charging Issues:** Verify that the charging cable is securely connected to both the power station and the power source. Ensure the power source is active. If using a solar panel, check for sufficient sunlight and proper panel connection.
- **Overload Protection Activated:** If the unit shuts down or displays an overload warning, disconnect some devices to reduce the power draw. Restart the unit.

For persistent issues or problems not listed here, please contact Jackery customer support.

## 9. SPECIFICATIONS

Feature	Detail
Model Name	Explorer 290
Capacity	290Wh
AC Output	110V/200W Pure Sine Wave (400W Peak)
USB-A Output	2 x 5V, 2.4A
USB-C Output	IN/OUT PD 60W
DC Output	12V, 10A (Car Outlet)
Input (Charging)	DC Input (for Wall, Car, Solar)
Dimensions (L x W x H)	9.1"L x 5.2"W x 7.7"H
Item Weight	7.5 Pounds
Fuel Type	Non-gasoline
Power Source	Solar Powered, Battery Powered



Image: The Jackery Explorer 290 with its dimensions clearly marked: 9.1 inches long, 5.2 inches wide, and 7.7 inches high.


## 10. WARRANTY AND SUPPORT

The Jackery Portable Power Station Explorer 290 comes with a **90 days limited warranty**. For warranty claims or technical support, please contact Jackery Inc., the third-party seller. You can typically find their contact information on the product's purchase page or through the official Jackery website.





For additional support and resources, visit the official Jackery website or refer to the product listing on Amazon.com.

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### Related Documents - Explorer 290

 Jackery PORTABLE POWER STATIONS	<a href="#">Jackery Explorer 1000EU User Manual: Portable Power Station Guide</a> Comprehensive user manual for the Jackery Explorer 1000EU portable power station. Learn about features, specifications, charging, safety, and warranty.
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