AUTO METER EP-800

Auto Meter EP-800 Jump Starter User Manual

Model: EP-800

Introduction

The Auto Meter EP-800 Jump Starter is a versatile and portable emergency power solution designed to provide reliable jump-starting capabilities for vehicles, along with power bank functionality for various electronic devices. This compact unit serves as a four-in-one tool, combining a jump starter, power bank for mobile devices, power bank for laptops, and an integrated flashlight. With the ability to jump start a car up to twenty times on a single charge, the EP-800 offers a convenient and efficient way to handle unexpected battery issues, eliminating the need for external assistance.

Product Overview

The EP-800 is engineered for ease of use and durability. Below are the key features and components of the device:

- **High Capacity Jump Starting:** Capable of jump starting a vehicle up to 20 times per charge.
- **Quick Charging USB Ports:** Features multiple USB outputs (Output 1: 5V/3A, 9V/2A, 12V/1.5A; Output 2: 5V/2.1A) and a Type-C input/output (3A) for charging phones, tablets, digital cameras, and laptops.
- **Safety Jumper Cables:** Includes smart jumper clamps with protection against reverse polarity, short circuit, reverse charging, low voltage, and overheating.
- **Integrated LED Flashlight:** Multi-mode flashlight with torch, SOS, and strobe functions for emergency situations.
- **Compact and Portable:** Designed for easy storage and transport in the included carrying bag.



Figure 1: Front view of the Auto Meter EP-800 Jump Starter, showing the power button, USB outputs, and flashlight.



Figure 2: The Auto Meter EP-800 Jump Starter shown with its included smart jumper clamps, highlighting the connection points.

Safety Information

WARNING: Read all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always wear eye protection and gloves when working with batteries.
- Do not allow the smart clamps to touch each other or connect to the same piece of metal, as this may cause a spark.
- Do not jump start a frozen battery.
- Ensure the vehicle is in park (P) or neutral (N) and the parking brake is engaged before attempting to jump start.
- Keep out of reach of children.
- Do not expose the unit to rain or wet conditions.
- Do not disassemble the unit. Refer all servicing to qualified service personnel.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Setup and Initial Charging

Before first use, it is recommended to fully charge the EP-800 Jump Starter.

1. **Check Battery Level:** Press the power button briefly to check the current battery level indicators on the unit.
2. **Connect Charging Cable:** Use the provided Type-C USB cable. Connect one end to the "In/Out (Type-C)" port on the EP-800 and the other end to a compatible USB wall adapter (not included) or a powered USB port.
3. **Charge Until Full:** The battery level indicators will illuminate sequentially during charging. All indicators will be solid when the unit is fully charged. Charging time may vary depending on the power source.

It is advisable to fully charge the unit every 3-6 months to maintain optimal battery health, even when not in use.

Operating Instructions

Jump Starting a Vehicle

1. **Prepare Vehicle:** Ensure the vehicle's ignition is off and the parking brake is engaged.
2. **Connect Clamps to EP-800:** Insert the blue end of the smart jumper clamps into the jump start port on the EP-800. Ensure a secure connection.
3. **Connect Clamps to Battery:**
    - Connect the **RED (+)** clamp to the positive (+) terminal of the vehicle's battery.
    - Connect the **BLACK (-)** clamp to the negative (-) terminal of the vehicle's battery or a solid, unpainted metal part of the vehicle's engine block (chassis ground).

    Note: The smart clamps have built-in safety features to prevent incorrect connections. If an error is detected, an indicator light on the clamps may illuminate or an audible warning may sound.
4. **Start Vehicle:** Once the clamps are correctly connected, start the vehicle's engine. If the vehicle does not start immediately, wait 30 seconds before attempting again. Do not crank for more than 3 seconds per attempt.
5. **Disconnect Clamps:** Once the vehicle has started, disconnect the BLACK (-) clamp first, then the RED (+) clamp from the vehicle battery. Finally, disconnect the smart clamps from the EP-800.

Using as a Power Bank

The EP-800 features two USB output ports and one Type-C input/output port for charging electronic devices.

1. **Connect Device:** Use a compatible USB charging cable (not included) to connect your electronic device to one of the USB output ports (Output 1 or Output 2) or the Type-C port on the EP-800.
2. **Begin Charging:** The EP-800 will automatically begin charging your device. The battery level indicators will show the remaining power.

Using the LED Flashlight

The integrated LED flashlight has multiple modes for various situations.

1. **Turn On/Off:** Press and hold the flashlight button (labeled "OFF/ON") to turn the flashlight on or off.
2. **Change Modes:** Briefly press the flashlight button repeatedly to cycle through the modes: Solid Light → SOS Signal → Strobe Light.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your EP-800 Jump Starter.

- **Recharging:** Recharge the unit after each use, especially after jump starting a vehicle. For storage, recharge the unit every 3-6 months to prevent deep discharge and extend battery life.
- **Cleaning:** Clean the unit with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the EP-800 in a cool, dry place, away from direct sunlight, moisture, and extreme temperatures. Ensure the unit is fully charged before long-term storage.
- **Cable Care:** Inspect the smart jumper clamps and cables for any damage before each use. Do not use if cables are frayed or clamps are damaged.

Troubleshooting

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is completely discharged.	Charge the unit fully using the provided Type-C USB cable.
Vehicle does not start after jump attempt.	Incorrect clamp connection; Vehicle battery is severely damaged; Vehicle has other mechanical issues.	Ensure clamps are connected correctly (Red to +, Black to - or chassis ground). Check for error indicators on smart clamps. If battery is too low, it may require more attempts or professional assistance. Consult a mechanic for other vehicle issues.
Smart clamps show an error.	Reverse polarity connection; Short circuit; Overheating.	Disconnect clamps and re-connect ensuring correct polarity. Separate clamps if they are touching. Allow unit to cool down if overheating is suspected.
USB devices not charging.	EP-800 battery low; Incorrect cable; Device not compatible.	Recharge the EP-800. Ensure you are using a functional USB cable. Verify device compatibility with the output specifications.

Specifications

Feature	Detail
Model	EP-800 (E-Power 800)
Brand	AUTO METER
Peak Output Current	800 Amps
Battery Type	Lithium Ion (1 included)
USB Output 1	5V/3A, 9V/2A, 12V/1.5A
USB Output 2	5V/2.1A
Type-C Input/Output	3A
Item Weight	1.8 pounds
Product Dimensions	5.92 x 3.33 x 1.02 inches

Feature	Detail
UPC	046074172144

Warranty and Support

For warranty information and technical support regarding your Auto Meter EP-800 Jump Starter, please refer to the official Auto Meter website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.

You can also refer to the official user manual PDF available for download: Auto Meter EP-800 User Manual (PDF)

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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