

## 1. Product Overview

The FNNEMGE FG608 is a portable jump starter and power bank designed for 12V vehicles. It features a high-capacity lithium-ion battery, an LCD screen, a multi-mode LED light, and USB charging ports.



**Model:** FG608

### **Key Components:**

- Main jump starter unit with LCD display
- Smart jump lead with clamps
- USB-C charging cable
- Storage box

## 2. Specifications

- **Battery Capacity:** 23800 mAh
- **Peak Current:** 5000A
- **Rated Voltage:** 12V DC
- **Battery Type:** Lithium Polymer
- **Operating Temperature:** -20°F to 70°F (-29°C to 21°C)
- **Weight:** 0.45 kg
- **Dimensions:** 14 x 24.99 x 9.98 cm
- **Compatible Vehicles:** All petrol vehicles and diesel engines up to 8.0L, including trucks, motorcycles, boats, lawn mowers, and snowmobiles.

## 3. Features and Controls

### 3.1 LCD Display

The HD widescreen LCD shows:

- Battery charge level (percentage)
- Input/Output status when charging or powering devices
- Temperature alerts for high or low operating conditions
- Error or status messages

### 3.2 Ports and Connectors

- **USB Output Port:** For charging phones, tablets, and other USB devices.
- **USB-C Charging Port:** For recharging the jump starter's internal battery using the provided cable.
- **Smart Clamp Port:** Connects the included jump lead cable.

### 3.3 LED Light

The built-in LED light has three modes:

- **Flashlight:** Steady light.
- **Strobe Light:** Flashing light for emergencies.
- **SOS Light:** Distress signal mode.

Cycle through modes by pressing the light button.

### 3.4 Safety Protections

The device incorporates 10 intelligent safety mechanisms, including protection against:

- Over-current
- Short circuit
- Reverse polarity connection
- Over-voltage / Surge
- Spark prevention

The smart jump clamps provide audible beeps and indicator lights to signal correct or incorrect connection.

### 4. Charging the Jump Starter

1. Connect the provided USB-C cable to the device's USB-C charging port.
2. Connect the other end of the cable to a standard USB power adapter (5V/2A or greater recommended) or a computer USB port.
3. The LCD display will show the charging status and battery level. A full charge is indicated by 100% on the display.
4. Disconnect the cable once charging is complete. Store the device in a cool, dry place.

**Note:** Fully charge the device before first use and after prolonged storage.

### 5. Jump Starting a Vehicle

**WARNING:** Always read the vehicle's owner manual first. Ensure the jump starter is sufficiently charged (above 20% is recommended).

1. **Prepare the Vehicle:** Turn off the vehicle's ignition and all electrical accessories (lights, radio, etc.).
2. **Connect the Smart Clamps:**
  - Plug the jump lead connector firmly into the jump starter's clamp port.
  - Attach the **RED (+) clamp** to the positive (+) terminal of the vehicle's dead battery.
  - Attach the **BLACK (-) clamp** to a clean, unpainted metal part of the engine block or chassis (a solid ground), away from the battery and fuel lines.

The smart clamps will beep or light up to indicate a proper connection. If you hear a continuous beep or see a warning light, check for reverse polarity and reconnect.

### 3. Start the Vehicle:

- Ensure the jump starter is turned on (if required by your model).
- Start the vehicle's engine. It should start within a few seconds.
- If the vehicle does not start within 3-5 seconds, wait 30 seconds and try again.

### 4. Disconnect the Clamps:

- Once the vehicle is running, disconnect the clamps in the **reverse order**.
- First, remove the BLACK (-) clamp from the vehicle ground.
- Second, remove the RED (+) clamp from the battery terminal.
- Unplug the jump lead from the jump starter.

5. Allow the vehicle to run to recharge its own battery. Recharge the jump starter as soon as possible.

## 6. Using as a Power Bank

1. Ensure the jump starter is charged.
2. Use a standard USB cable to connect your device (phone, tablet, etc.) to the jump starter's USB output port.
3. The LCD display will show an output indicator. Charging will begin automatically.
4. Disconnect your device when charging is complete.

## 7. Care and Maintenance

- Store the device in the provided storage box in a cool, dry place, away from direct sunlight and moisture.
- Recharge the device at least once every 3 months if not in use to maintain battery health.
- Keep the unit and clamps clean and dry. Wipe with a dry cloth if dirty.
- Do not disassemble, puncture, or expose the device to fire or extreme heat.
- Only use the provided USB-C cable or a certified equivalent to recharge the unit.

## 8. Troubleshooting

Problem	Possible Cause	Solution
Vehicle does not start.	Jump starter battery low. Incorrect clamp connection. Vehicle battery may be severely damaged.	Recharge jump starter. Verify correct clamp connection (Red to +, Black to ground). Try starting a different vehicle to test the jump starter.
Smart clamps beep continuously.	Reverse polarity detected.	Immediately disconnect clamps. Verify vehicle battery terminal polarity and reconnect correctly.
LCD display shows low temperature or high temperature warning.	Device is outside its operating temperature range.	Move the device to an environment within the operating range (-20°F to 70°F) before use.
Device does not charge via USB-C.	Faulty cable, adapter, or port.	Try a different USB-C cable and power adapter. Ensure the power adapter output is 5V/2A or greater.
USB port does not charge external devices.	Jump starter battery is depleted. Faulty USB cable.	Recharge the jump starter. Try a different USB cable for your device.

## 9. Warranty and Support

This product is covered by a **2-year warranty** from the date of purchase.

### Support:

- **Lifetime technical support** and **24/7 customer service** are offered.
- For questions or warranty claims, please contact the manufacturer using the email address provided in the printed user manual included in the box.

**Recycling:** This product can be recycled free of charge. Please check local regulations for electronic waste disposal.

### Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

