

AVAPOW A37

AVAPOW A37 4000A Peak Portable Jump Starter User Manual

Model: A37

Brand: AVAPOW

1. INTRODUCTION

The AVAPOW A37 is a powerful and portable jump starter designed to provide emergency starting power for vehicles with dead batteries. Featuring a 4000A peak current, it is suitable for gasoline engines up to 10.0L and diesel engines up to 10.0L. This device also functions as a portable power bank and includes an LED flashlight for various utility needs. Its IP65 rating ensures durability against dust and water.



Image 1.1: The AVAPOW A37 Jump Starter, including smart clamps, a USB-C charging cable, and a protective carrying case.

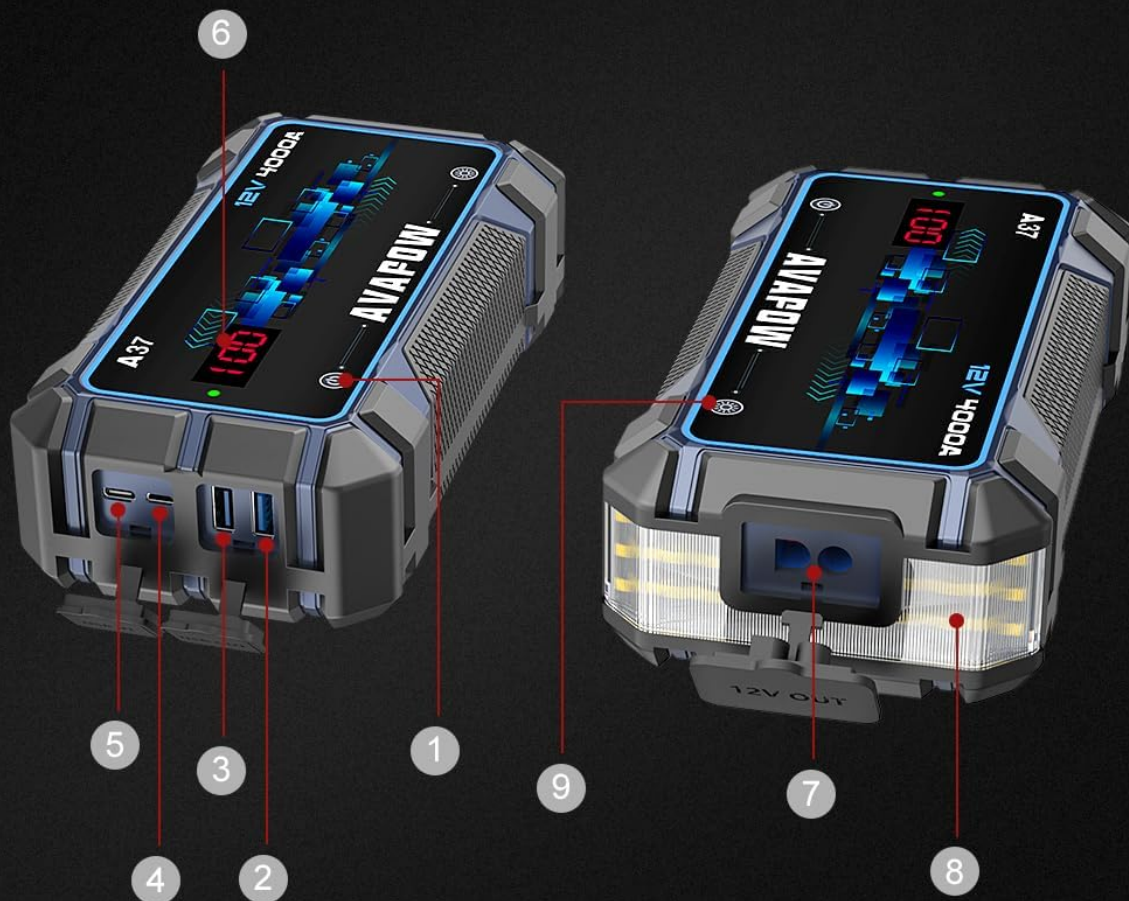
2. PACKAGE CONTENTS

Please check the package for the following items:

- AVAPOW A37 Portable Jump Starter Unit
- Smart Battery Clamps with LED Display
- USB-C Charging Cable
- User Manual
- Protective Carrying Case

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your AVAPOW A37 jump starter:



1	Power Button
2	USB1: 5V/3A, 9V/2A, 12V/1.5A(QC3.0)
3	USB2: 5V/3A, 9V/2A, 12V/1.5A(QC3.0)
4	Micro Input: 5V/2A
5	Type-C In/Output: 5V/3A ; 9V/3A; 12V/3A; 15V/3A; 20V/3A Max(PD60W)
6	LED Display
7	Jump Start Output
8	LED Light
9	Light Button

Image 3.1: Labeled diagram of the AVAPOW A37 Jump Starter showing its various ports and features.

1. **Power Button:** Activates the device and cycles through LED light modes.
2. **USB1 Output (QC3.0):** 5V/3A, 9V/2A, 12V/1.5A for charging external devices.
3. **USB2 Output (QC3.0):** 5V/3A, 9V/2A, 12V/1.5A for charging external devices.
4. **Micro Input:** 5V/2A for charging the jump starter.
5. **Type-C Input/Output (PD60W):** 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A Max for charging the jump starter or

external devices.

6. **LED Display:** Shows battery level and operational status.
7. **Jump Start Output:** Port for connecting the smart battery clamps.
8. **LED Light:** Provides illumination with multiple modes.
9. **Light Button:** Controls the LED light functions.

4. SAFETY INFORMATION AND PRECAUTIONS

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.

- **Spark-Proof Technology:** The smart clamps are designed with spark-proof technology to prevent sparks during connection.
- **Reverse Polarity Protection:** The device includes protection against incorrect polarity connections.
- **Multiple Protections:** Features 8 types of protection, including short circuit, high temperature, low temperature, and over-discharge protection.
- **Ventilation:** Ensure adequate ventilation when operating.
- **Children:** Keep out of reach of children.
- **Water Exposure:** While IP65 rated, avoid submerging the device in water.
- **Damage:** Do not use if the device or cables are damaged.

LED SCREEN DESIGN

Battery level and possible error at a glance.



Image 4.1: The smart clamps feature spark-proof protection and other safety mechanisms for secure operation.

5. CHARGING THE JUMP STARTER

Before first use, fully charge the AVAPOW A37. It can be charged via the Micro USB input or the Type-C input/output port.

Charging Steps:

1. Connect the provided USB-C charging cable to the Type-C port on the jump starter.
2. Connect the other end of the USB-C cable to a compatible USB wall adapter (not included) or a car charger.
3. The LED display will show the charging progress. Charge until the display indicates 100%.

The device can be recharged both at home using a wall adapter or in your vehicle using a car charger.



Image 5.1: The AVAPOW A37 can be conveniently recharged in a vehicle or at home.

6. OPERATING INSTRUCTIONS: JUMP STARTING A VEHICLE

Follow these steps carefully to jump start your vehicle:



Image 6.1: Step-by-step visual guide for connecting the jump starter and starting your vehicle.

1. **Connect Smart Clamps:** Insert the blue plug of the smart battery clamps into the **Jump Start Output** port (7) on the AVAPOW A37. Ensure a firm connection.
2. **Attach to Car Battery:** Connect the red (+) clamp to the positive terminal of your car battery and the black (-) clamp to the negative terminal. The smart clamp's LED display will show the battery voltage and indicate if the connection is correct. If an error is detected (e.g., reverse polarity), the clamps will beep and flash.
3. **Start Vehicle:** Once the clamps indicate a safe connection, start your car engine.
4. **Remove Clamps:** After the engine starts, immediately remove the smart clamps from the car battery, then

disconnect the clamps from the jump starter unit.

Important: If the vehicle does not start on the first attempt, wait at least 30 seconds before trying again. Do not attempt more than three consecutive jump starts.

JUMP STARTER OUTPUT PORT CONNECTED WITH LED DISPLAY DESIGN

This is a very smart design, The screen will notify you when there is a safety issue with the clamp



Image 6.2: The smart clamp features an LED display that provides real-time battery voltage and safety warnings.

7. OTHER FUNCTIONS

7.1 Portable Power Bank

The AVAPOW A37 can charge various electronic devices via its USB QC3.0 ports and Type-C input/output port.

- Connect your device's charging cable to one of the USB output ports (2, 3) or the Type-C port (5).
- The jump starter will automatically begin charging your device.



Image 7.1: The AVAPOW A37 functions as a portable power bank, capable of charging multiple devices simultaneously.

7.2 LED Flashlight

The built-in LED flashlight has three modes: Flashlight, Strobe, and SOS.

- Press the **Light Button** (9) once to turn on the flashlight.
- Press again to cycle through Strobe and SOS modes.
- Press a fourth time to turn off the flashlight.

8. MAINTENANCE AND STORAGE

- **Charging:** Recharge the jump starter every 3-6 months, even if not used, to maintain battery health.
- **Cleaning:** Clean the device with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the device in its protective carrying case in a cool, dry place away from direct sunlight and extreme temperatures.
- **IP65 Rating:** The IP65 rating ensures protection against dust ingress and low-pressure water jets, making it suitable for various environments.

SPARK-PROOF PROTECTION

8 types of protection, such as spark-proof and reverse-polarity protection, etc.



Image 8.1: The AVAPOW A37 features an IP65 waterproof and dustproof design for enhanced durability.

9. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Vehicle does not start	Jump starter battery is low; clamps not connected correctly; vehicle battery completely dead.	Recharge jump starter; ensure correct clamp connection (red to +, black to -); check smart clamp display for error codes. If vehicle battery is completely dead, ensure it is disconnected from the vehicle's electrical system before attempting to jump start.
Smart clamps beep or flash	Reverse polarity connection; short circuit; over-temperature.	Disconnect clamps and reconnect correctly; check for any short circuits; allow device to cool down if overheated.
Device not charging	Charging cable or adapter faulty; port obstruction.	Try a different USB-C cable and adapter; ensure charging port is clear of debris.

10. SPECIFICATIONS

Feature	Specification
Model	A37
Peak Current	4000 Amps
Engine Compatibility	Up to 10.0L Gas / 10.0L Diesel
Battery Type	Lithium Ion (4 required, included)
USB1/USB2 Output	5V/3A, 9V/2A, 12V/1.5A (QC3.0)
Micro Input	5V/2A
Type-C Input/Output	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A Max (PD60W)
Dimensions (L x W x H)	8.07" x 4.13" x 2.13"
Item Weight	3.21 Pounds
Waterproof/Dustproof Rating	IP65

11. WARRANTY AND SUPPORT

The AVAPOW A37 typically comes with a 24-month warranty upon product registration. For warranty claims, technical support, or any inquiries, please contact AVAPOW customer service through the official website or your purchase platform. Please retain your proof of purchase for warranty validation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question