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AVAPOW A68

AVAPOW 6000A Car Battery Jump Starter

MODEL: A68

User Instruction Manual

INTRODUCTION

The AVAPOW 6000A Car Battery Jump Starter is a powerful and portable device designed to safely start all gas engines and diesel engines up to 12L. Engineered for reliability and user safety, it features intelligent jumper clamps, multiple charging ports, and an ultra-bright LED light with various modes for convenience and emergencies. This manual provides essential information for proper setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.



Figure 1: AVAPOW 6000A Car Battery Jump Starter with included accessories.

WHAT'S IN THE BOX

Please check the package contents to ensure all items are present:

- 1x AVAPOW A68 Car Jump Starter
- 1x Smart Jumper Cables
- 1x Storage Case
- 1x USB Type-C Charging Cable
- 1x Cigarette Lighter Socket Adapter
- 1x User Manual

WHAT'S INSIDE THE BOX



Figure 2: All components included in the AVAPOW A68 package.

SETUP & CHARGING

Before first use, fully charge the jump starter. It is recommended to charge the unit every 3-6 months to maintain optimal battery health, even if not used. An AC adapter is not included; use a compatible USB wall adapter (not supplied) with the provided USB Type-C charging cable.

Ensure the jump starter has at least 50% charge before attempting to jump start a vehicle.

OPERATING INSTRUCTIONS: JUMP STARTING A VEHICLE

Basic Jump Start Procedure

1. Ensure the jump starter is adequately charged.
2. Insert the smart jumper cables into the jump starter's EC5 port. The blue light on the cable's indicator will illuminate.
3. Connect the red (+) clamp to the positive terminal of the vehicle's battery.
4. Connect the black (-) clamp to the negative terminal of the vehicle's battery.
5. Observe the indicator light on the smart jumper cables. A solid green light indicates a correct connection and readiness to start.
6. Start your vehicle's engine within 30 seconds of the green light appearing.
7. Once the engine starts, immediately remove the jumper clamps from the battery terminals, then disconnect the cables from the jump starter.

Force Start Function

If the vehicle battery is completely drained (below 2V) and the green light does not appear after connecting the clamps, press and hold the 'BOOST' button on the smart jumper cables for 3 seconds until the green light turns solid. This mode provides a direct power boost. Start the vehicle within 30 seconds. Disconnect immediately after starting.

8-SECOND CONTINUOUS POWER

8 Seconds of Steady Power without Rapid
Battery Capacity Drop-off



Figure 3: Proper connection of the jump starter to a vehicle battery.

Video 1: A full demonstration of using the AVAPOW jump starter to start a vehicle.

Video 2: A quick look at the AVAPOW 6000A Car Battery Jump Starter in action.

OPERATING INSTRUCTIONS: POWER BANK & LIGHTING

Portable Power Bank

- Connect your mobile devices (phones, tablets, etc.) to the USB output ports (USB1 or USB2) on the jump starter for charging.
- USB2 is a quick-charging port (5V/3A 9V/2A 12V/1.5A) for faster device charging.

- The 12V DC output port can power compatible 12V devices like car fridges, vacuum cleaners, or tire inflators using the provided adapter.

LED Light Modes

- Press the power button briefly to turn on the jump starter.
- Long press the power button for 3 seconds to activate the ultra-bright LED flashlight.
- Briefly press the power button again to cycle through light modes: Flashlight → SOS → Strobe → Off.



Figure 4: The jump starter's LED light provides illumination for various tasks.

Video 3: A review highlighting the multi-functionality of the jump starter beyond just starting cars.

SAFETY FEATURES

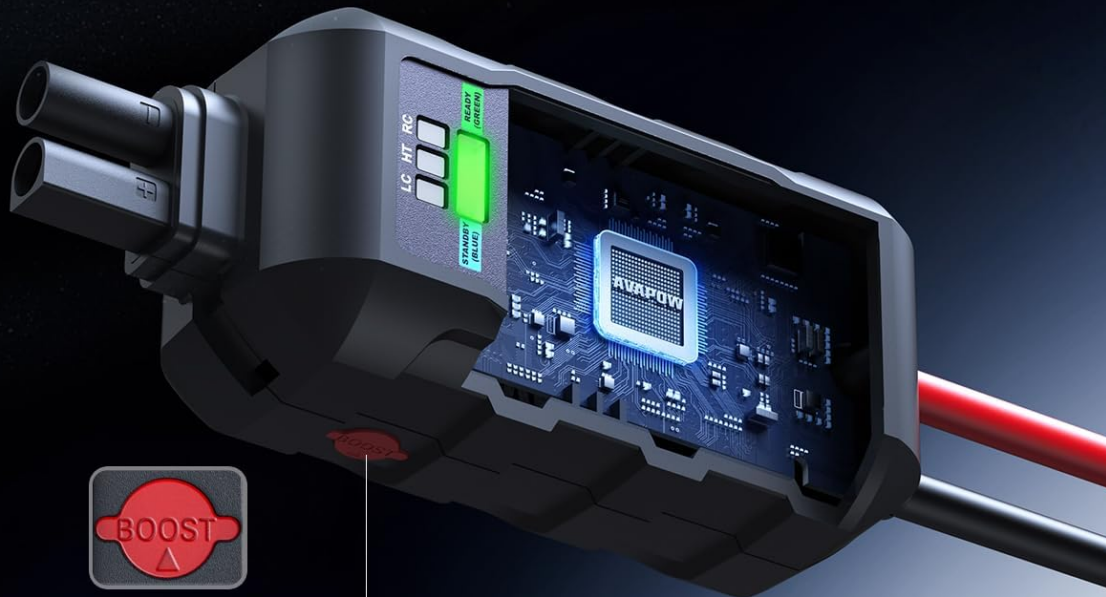
The AVAPOW A68 is equipped with intelligent jumper clamps that provide 10 advanced safety protections to ensure safe operation:

- **Reverse-polarity Protection:** Prevents damage if clamps are connected incorrectly.
- **Overcurrent Protection:** Safeguards against excessive current flow.
- **Overload Protection:** Protects the unit from being overloaded.
- **Overvoltage Protection:** Prevents damage from too high voltage.
- **Low-voltage Protection:** Ensures the unit operates within safe voltage limits.
- **Short-circuit Protection:** Automatically shuts off in case of a short circuit.
- **Over-temperature Protection:** Prevents overheating during operation.
- **Overcharging Protection:** Protects the internal battery from overcharging.
- **Reverse-charging Protection:** Prevents current from flowing back into the unit from the vehicle battery.
- **Spark-proof Protection:** Designed to prevent sparks during connection.

The jumper clamps' indicator light will notify you of any common incorrect operating conditions, such as reverse connection, low capacity, or high temperature.

SMART CLAMPS WITH ERROR ALERTS

Simple, Safe, and Easy to Use



Force-start



Figure 5: Smart clamps provide visual alerts for safe operation.

SPECIFICATIONS

Specification	Value
Brand	AVAPOW
Model	A68
Product Dimensions	6.06"D x 10.98"W x 5.63"H
Item Weight	4.7 Pounds
Amperage	6000 Amps
Peak Output Current	6000 Amps
Cable Length	26 Inches
Batteries	4 Lithium Ion batteries (included)

MAINTENANCE

- **Storage:** Store the jump starter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Recharging:** Recharge the unit every 3-6 months, even if not used, to maintain battery health and prolong its lifespan.
- **Cleaning:** Keep the clamps clean and free of corrosion. Use a dry cloth to wipe down the unit.
- **Disassembly:** Do not attempt to disassemble or modify the unit. Refer to qualified personnel for any repairs.

TROUBLESHOOTING

- **No Power/Unit Not Turning On:** Ensure the unit is charged. If completely drained, it may take a few minutes to respond to charging.
- **Green Light Not Appearing (Jump Start):** Check battery connections. Ensure clamps are firmly attached to the correct terminals. If the vehicle battery is extremely low (below 2V), use the 'BOOST' function.
- **Red Light/Beeping (Jump Start):** Indicates an incorrect connection (e.g., reverse polarity). Disconnect clamps immediately and re-attach correctly (red to positive, black to negative).
- **Unit Overheating:** Disconnect from the vehicle and allow the unit to cool down in a well-ventilated area. Do not attempt to jump start if the unit is excessively hot.

WARRANTY & SUPPORT

For detailed warranty information, product registration, or technical support, please refer to the contact details provided in the included User Manual or visit the official AVAPOW website. Our professional and 24-hour online after-sales team is available to assist with any issues.