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› [AVAPOW TJ58 8000A and A27 2500A Portable Jump Starter User Manual](#)

AVAPOW TJ58, A27

AVAPOW TJ58 8000A and A27 2500A Portable Jump Starter User Manual

Models: TJ58 (8000A Peak) & A27 (2500A Peak)

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your AVAPOW TJ58 8000A and A27 2500A Portable Jump Starters. Please read this manual thoroughly before operation and retain it for future reference. These devices are designed to safely jump start 12V vehicles, including cars, trucks, SUVs, RVs, motorcycles, and boats.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the device and vehicle:

- Ensure the jump starter is fully charged before use.
- Do not attempt to jump start a frozen battery.
- Do not connect the positive and negative clamps together.
- Keep the device away from children.
- Operate in a well-ventilated area.
- The AVAPOW jump starters feature an advanced Battery Management System (BMS) with multiple layers of protection, including overcurrent, short-circuit, and reverse polarity protection. The smart clamps are designed to prevent sparks even if connected incorrectly.

PACKAGE CONTENTS

Verify that all items are present:

- AVAPOW Portable Jump Starter (TJ58 or A27 model)
- Smart Jumper Clamps
- USB-C Charging Cable
- User Manual

SETUP AND CHARGING

Initial Charging

Before first use, fully charge your AVAPOW jump starter. Connect the provided USB-C charging cable to the device's USB-C input/output port and to a suitable USB wall adapter (not included). The 4-inch HD display on the TJ58 model will show the charging status. The A27 model will indicate charging via its display. The TJ58 supports PD 30W dual-way fast charging, allowing for quicker recharge times.



Image: The 4-inch smart display of the AVAPOW TJ58 jump starter, indicating battery level, charging status ("IN"), and other operational indicators.

Force Start Technology & Faster with PD 30W

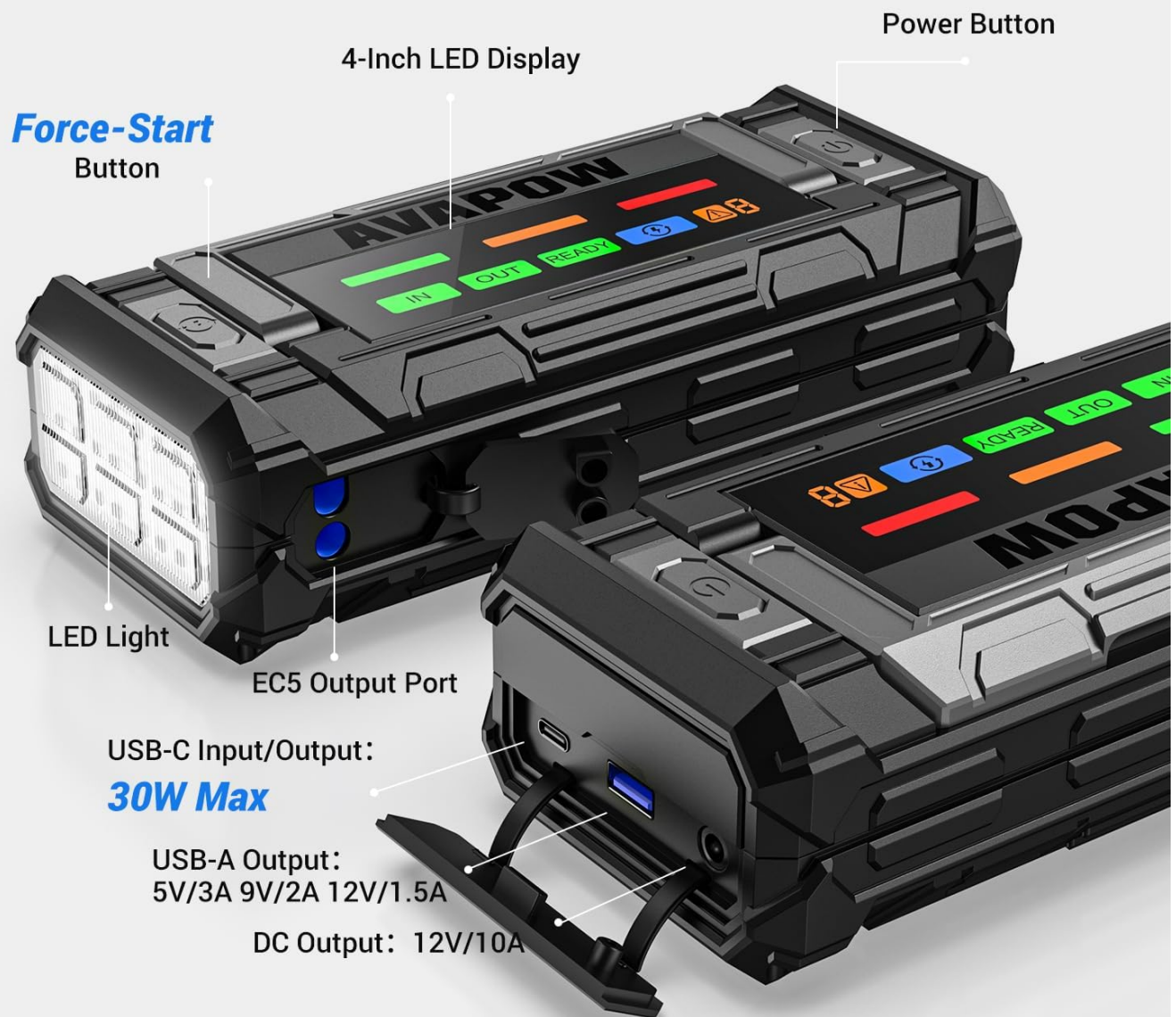


Image: Side view of the AVAPOW TJ58 jump starter, highlighting the USB-C input/output port (30W Max), USB-A output port (5V/3A, 9V/2A, 12V/1.5A), and DC output port (12V/10A).

OPERATING INSTRUCTIONS: JUMP STARTING A VEHICLE

Follow these steps to safely jump start your vehicle:

1. **Prepare the Vehicle:** Ensure the vehicle's ignition is off and all accessories (lights, radio, AC) are turned off.
2. **Connect Clamps to Jump Starter:** Insert the smart jumper cable connector into the EC5 output port of the AVAPOW jump starter. Ensure a secure connection.
3. **Connect Clamps to Battery:**
 - Connect the **RED** positive (+) clamp to the positive (+) terminal of the vehicle's battery.
 - Connect the **BLACK** negative (-) clamp to the negative (-) terminal of the vehicle's battery.

The smart clamps feature spark-proof technology and reverse polarity protection. If connected incorrectly, the device will alert you (e.g., beep and flashing light on A27, error alerts on TJ58 display).

4. **Check Indicators:**

- **TJ58 Model:** The 4-inch HD display will show "READY" when the connection is correct and the device is ready to start.
- **A27 Model:** The indicator light on the smart clamp will turn solid green.

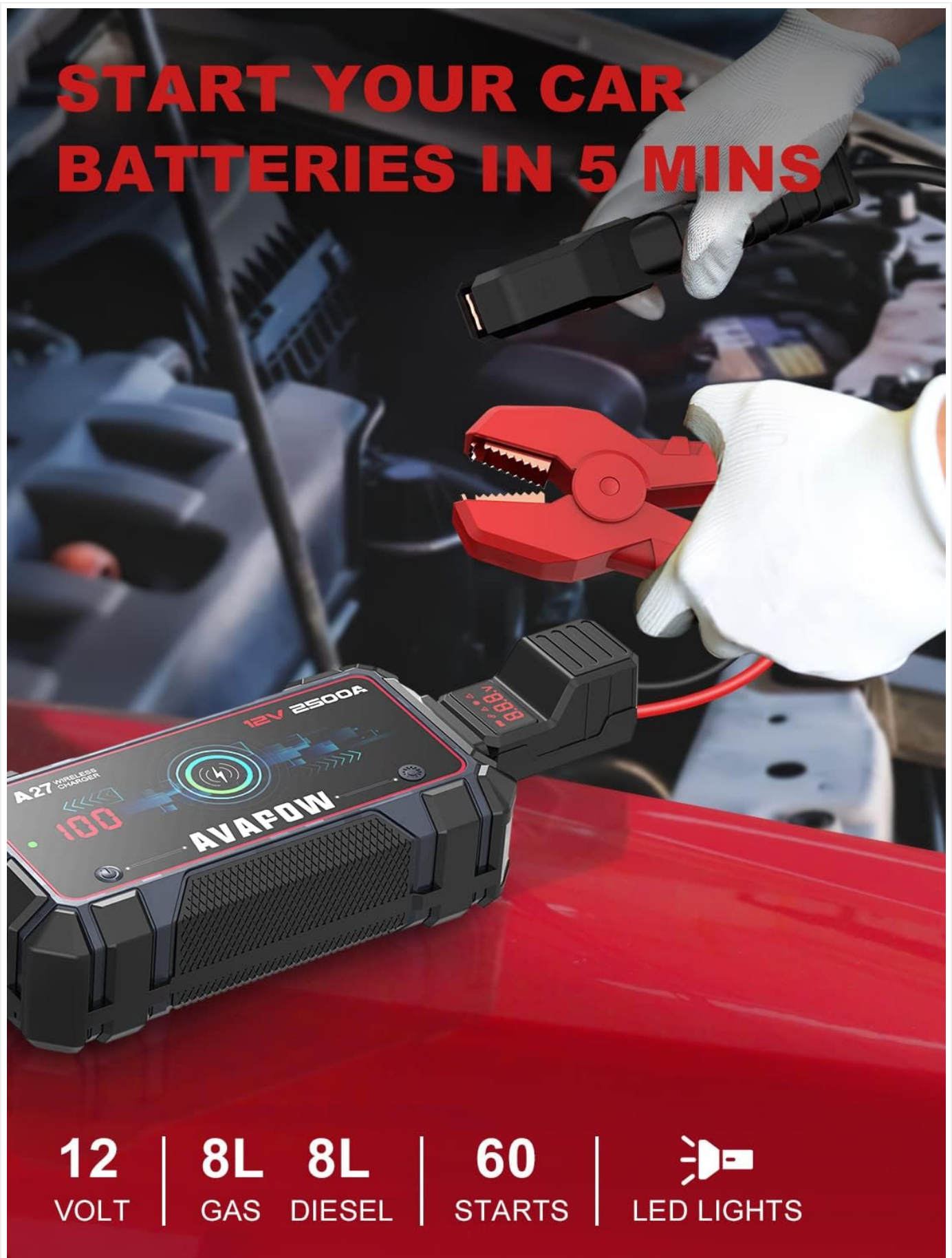
5. **Start the Vehicle:** Turn on your vehicle's ignition. If the vehicle does not start immediately, wait 10-15 seconds before trying again. Do not crank for more than 3 seconds per attempt.

6. **Remove Clamps:** Once the vehicle starts, immediately disconnect the **BLACK** negative (-) clamp first, then the **RED** positive (+) clamp. Finally, disconnect the smart jumper cable from the jump starter.



Image: The AVAPOW TJ58 jump starter with its smart clamps connected to a car battery, demonstrating the setup for jump starting.

START YOUR CAR BATTERIES IN 5 MINS



12
VOLT

8L
GAS

8L
DIESEL

60
STARTS


LED LIGHTS

Image: The AVAPOW A27 jump starter with its smart clamps connected to a car battery, illustrating the connection process.

Force Start Function (TJ58 Model)

If the vehicle battery is extremely low or completely dead, the "READY" indicator may not light up. In such cases, the TJ58 model offers a Force Start function:

1. Connect the clamps to the vehicle battery as described above.
2. Press and hold the "Force Start" button on the TJ58 unit for 3 seconds. The display will show a "Forced Start Indicator".
3. Immediately attempt to start the vehicle.
4. Once the vehicle starts, disconnect the clamps as instructed previously.



Image: A detailed view of the AVAPOW TJ58 jump starter, pointing out the "Force-Start" button and the integrated LED light.

Using as a Power Bank and Flashlight

Both models can also serve as portable power banks and feature an integrated LED flashlight.

- **Power Bank:** Use the USB-A output port (and USB-C output on TJ58) to charge mobile phones, tablets, and other USB-powered devices.
- **Flashlight:** Press the power button (or dedicated flashlight button if present) to cycle through different light modes (e.g., steady, strobe, SOS).

MAINTENANCE

- **Recharge After Each Use:** For optimal performance and longevity, recharge the jump starter after every use.
- **Regular Recharging:** If not used frequently, recharge the device every 3-6 months to maintain battery health.
- **Storage:** Store the jump starter in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Battery is depleted.	Charge the jump starter fully.
Vehicle does not start (TJ58 "READY" not shown).	Battery is extremely low or dead; incorrect clamp connection.	Check clamp connections. Use the Force Start function if battery is very low.
Vehicle does not start (A27 indicator not green).	Incorrect clamp connection; battery is extremely low.	Check clamp connections. Ensure proper contact with battery terminals.
Error alert on TJ58 display or A27 beeping/flashing.	Reverse polarity, short circuit, or other protection triggered.	Disconnect clamps, check connections, and reconnect correctly. Refer to safety information.

SPECIFICATIONS

AVAPOW TJ58 (8000A Peak)

- **Peak Current:** 8000A
- **Start Voltage:** 12V
- **Engine Compatibility:** All Gas, All Diesel engines
- **Display:** 4-inch HD Smart Display
- **Charging:** PD 30W Dual-Way Fast Charging (USB-C Input/Output)
- **Output Ports:** USB-A (5V/3A, 9V/2A, 12V/1.5A), DC (12V/10A), EC5 (for jumper cables)
- **Protection:** Advanced BMS with 12 layers (overcurrent, short-circuit, reverse polarity, etc.)
- **Casing:** Durable ABS+PC

Real 8000A Jump Box

Heavy-Duty Battery for Long-Term Use



12
VOLT

ALL
GAS

ALL
DIESEL

50+
STARTS

Image: An internal view of the AVAPOW 8000A jump starter, illustrating its heavy-duty battery cells designed for long-term use and high performance.

AVAPOW A27 (2500A Peak)

- **Peak Current:** 2500A
- **Start Voltage:** 12V
- **Engine Compatibility:** Up to 8.0L Gas, 8.0L Diesel engines
- **Starts per Charge:** Up to 45 jump starts
- **Battery Capacity:** 22800mAh
- **Protection:** 8 types of protection, including spark-proof and reverse-polarity.

2500A PEAK FOR ALL VEHICLES

8L

Petrol Car

8L

Diesel Car



22800mAh
Capacity

Image: Top view of the AVAPOW A27 jump starter, highlighting its 2500A peak current capability and 22800mAh battery capacity, suitable for various vehicle types.

SPARK-PROOF PROTECTION

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



Image: A close-up of the AVAPOW A27 smart clamps, emphasizing their spark-proof protection and robust design for secure connections.

Double Copper Teeth Clamps

Stronger, Safer Dual Modes Starts

Strong Spring

Secure Clamp, No Slipping



Double Copper Clamps
Stronger Start

Image: A visual comparison highlighting the double copper teeth clamps of AVAPOW jump starters, designed for stronger and safer starts compared to standard clamps.

WARRANTY AND SUPPORT

For warranty information, product registration, or technical support, please refer to the warranty card included with your product or visit the official AVAPOW website. Contact details for customer service are typically provided on the packaging or within the warranty documentation.

You can also visit the [AVAPOW Store on Amazon](#) for more product information and support resources.