

AVAPOW TJ18

AVAPOW TJ18 3000A Car Battery Booster Jump Starter User Manual

Model: TJ18

1. INTRODUCTION

Thank you for choosing the AVAPOW TJ18 Car Battery Booster Jump Starter. This device is designed to provide a reliable solution for starting vehicles with dead batteries and offers additional functionalities such as a portable power bank and an emergency LED light. Please read this manual thoroughly before use to ensure safe and optimal operation.

The AVAPOW TJ18 features a 3000A peak current, capable of starting 12V vehicles with up to 8.0L gas or diesel engines. It incorporates advanced safety features and a 4-inch digital display for clear status monitoring.



Image 1.1: The AVAPOW TJ18 Jump Starter, smart clamps, and protective carrying case.

2. PRODUCT OVERVIEW

2.1 Package Contents

The complete premium kit includes:

- AVAPOW TJ18 Booster Pack
- Smart Jumper Cables with Multi-Protection Clamps
- Cigarette Lighter Adapter
- USB-C Charging Cable
- User Manual
- Premium Carrying Case

3-IN-1 LED LIGHT *ALWAYS READY*



STEADY



STROBE



SOS



Image 2.1: All items included in the AVAPOW TJ18 product package.

2.2 Device Features

- **3000A Peak Current:** Capable of starting 12V vehicles with up to 8.0L gas or diesel engines.
- **Dual Smart Modes:** Includes Normal Mode for low-voltage batteries and Force Start Mode for completely dead batteries.
- **10-Layer Safety Protection:** Automotive-grade cells and Smart BMS (Battery Management System) with premium clamps provide protection against short circuits, reverse polarity, over-current, over-charge, over-discharge, and more. UL/FCC/CE certified.
- **4-Inch Digital Display:** Provides real-time battery level, voltage, and alert indicators for clear monitoring.
- **Versatile Power Hub:** Features USB-C PD 18W input/output, dual USB-A outputs (5V/3A, 9V/2A, 12V/1.5A), and a 12V DC output (12V/10A) for charging phones, laptops, and other 12V devices.
- **200LM Emergency LED Light:** Offers Steady, Strobe, and SOS modes for various emergency situations.
- **Durable Construction:** Made from flame-retardant ABS+PC material.

Force Start Technology & Faster with PD 18W



Image 2.2: Overview of the AVAPOW TJ18 device ports and controls.

2.3 Display Indicators

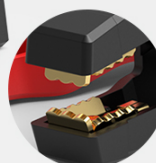
UPGRADED HEAVY-DUTY JUMPER CLAMPS STRONGER GRIP, SMARTER STARTS



Engineered Grip Texture
Built for Stability and Comfort



Enhanced Spring Clamp Ensures
Firm Grip for **Reliable Jump Starts**



Thickened Copper Teeth for
Superior Grip & Conductivity

Image 2.3: Explanation of the 4-inch smart display indicators.

The 4-inch digital display provides critical information:

- **Battery Level:** Indicated by color (Green: 100%-60%, Orange: 60%-20%, Red: 20%-0%).
- **IN:** Illuminates when the device is being charged.
- **OUT:** Illuminates when the device is powering external devices.
- **READY:** Indicates the device is ready for a normal jump start.
- **Forced Start Indicator:** Illuminates when Force Start Mode is active.
- **Fault Detection Indicator:** Alerts to potential issues (e.g., reverse polarity, short circuit).

3. SAFETY INFORMATION

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

- Do not operate the jump starter if it has been dropped or damaged.
- Do not jump start a frozen battery.
- Ensure the jump starter is fully charged before use for optimal performance.
- Connect the clamps correctly: Red to positive (+), Black to negative (-). Reverse polarity will trigger safety protection.
- Do not allow the red and black clamps to touch each other once connected to the jump starter.
- Keep out of reach of children.
- Use the jump starter in a well-ventilated area.
- Do not expose the device to water, moisture, or extreme temperatures.
- If the battery is extremely hot, smoking, or leaking, discontinue use immediately.
- Always remove the jump starter from the vehicle battery within 30 seconds after the vehicle starts.

4. SETUP AND INITIAL CHARGING

4.1 Initial Charging

Before first use, fully charge the AVAPOW TJ18. Connect the included USB-C charging cable to the USB-C input/output port on the jump starter and plug the other end into a USB wall adapter (not included). The 4-inch display will show the 'IN' indicator illuminated, and the battery level will increase. A full charge typically takes approximately 2.5 hours with an 18W PD charger.

MORE THAN A JUMP STARTER

Charge Phones, Tablets, Laptops & More
Anytime, Anywhere



4.2 Storing the Device

Store the jump starter in its protective carrying case when not in use. Keep it in a cool, dry place, away from direct sunlight and extreme temperatures. For long-term storage, ensure the device is charged to at least 50% and recharge every 3-6 months to maintain battery health.

5. OPERATING INSTRUCTIONS

5.1 Jump Starting a Vehicle (Normal Mode)

Use Normal Mode when the vehicle battery is low but not completely dead.

1. **Connect Clamps:** Plug the smart jumper cables into the EC5 output port of the jump starter.
2. **Attach to Battery:** Connect the red clamp to the positive (+) terminal of the vehicle battery and the black clamp to the negative (-) terminal.
3. **Check Display:** The jump starter's display will show 'READY' and the green light will be on, indicating a correct connection and readiness to start.
4. **Start Vehicle:** Start your vehicle within 45 seconds.
5. **Remove Clamps:** Once the vehicle starts, immediately remove the clamps from the car battery, then disconnect the cables from the jump starter.

FORCE START MODE



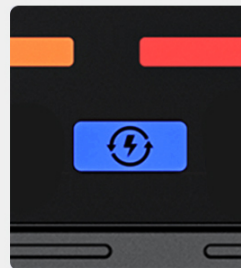
1. Plug Into The Jump Starter



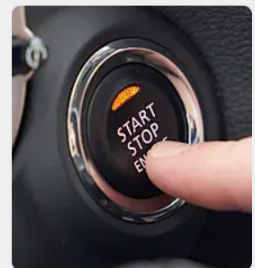
2. Connect Red Clamp To + And Black To -



3. Start Your Vehicle within 45 Seconds



3. The Screen Will Display "⚡" And The Green Light Will Be On



4. Start Your Vehicle within 45 Seconds

Image 5.1: Steps for jump starting in Normal Mode.

5.2 Jump Starting a Vehicle (Force Start Mode)

Use Force Start Mode only when the vehicle battery is completely dead and the jump starter does not automatically detect it in Normal Mode. This mode bypasses some safety checks, so exercise extreme caution.

1. **Connect Clamps:** Plug the smart jumper cables into the EC5 output port of the jump starter.
2. **Attach to Battery:** Connect the red clamp to the positive (+) terminal of the vehicle battery and the black clamp to the negative (-) terminal.
3. **Activate Force Start:** Press and hold the 'Force Start' button on the jump starter for 3 seconds. The display will show the 'Forced Start Indicator' and the green light will be on.
4. **Start Vehicle:** Start your vehicle within 45 seconds.
5. **Remove Clamps:** Once the vehicle starts, immediately remove the clamps from the car battery, then disconnect the cables from the jump starter.

4-INCH SMART DISPLAY WITH REAL-TIME POWER MONITORING

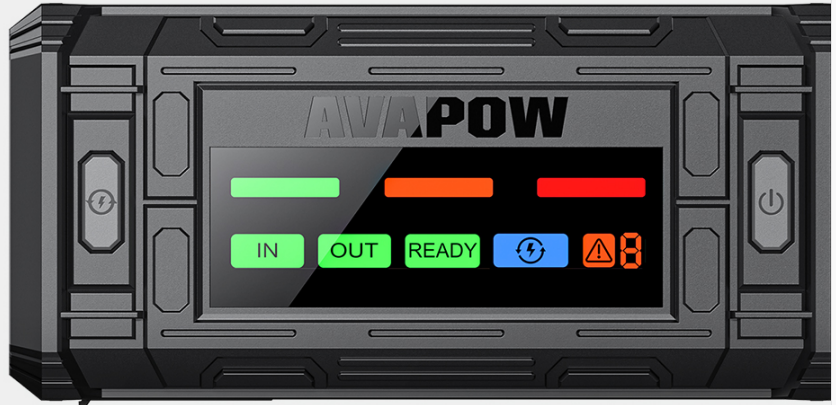
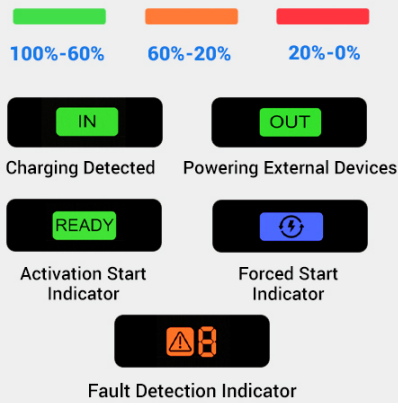


Image 5.2: Steps for jump starting in Force Start Mode.

5.3 Using as a Power Bank

The AVAPOW TJ18 can charge various electronic devices:

- **USB-C PD 18W:** Use the USB-C port for fast charging compatible devices or for recharging the jump starter itself.
- **Dual USB-A Outputs:** Connect your devices using standard USB cables to the USB-A ports (5V/3A, 9V/2A, 12V/1.5A).
- **12V DC Output:** Use the 12V/10A DC output with the included cigarette lighter adapter to power 12V accessories.

When charging external devices, the 'OUT' indicator on the display will illuminate.



Image 5.3: The AVAPOW TJ18 functioning as a portable power bank.

5.4 Using the LED Light

The integrated 200-lumen LED light can be used for illumination in various situations:

- **Steady Light:** Press the LED light button once for continuous illumination.
- **Strobe Light:** Press the LED light button twice for a flashing strobe effect.
- **SOS Signal:** Press the LED light button three times for the SOS Morse code signal.
- **Turn Off:** Press the LED light button a fourth time to turn off the light.

FULL POWER IN JUST 2.5 HOURS

18W PD DUAL FAST CHARGING

Charge 100%

TJ18 2.5 Hours 40% faster

Industry Average

*The charger needs to be purchased separately

Image 5.4: The AVAPOW TJ18's 3-in-1 LED emergency light.

6. MAINTENANCE

- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store in a cool, dry place between -4°F to 140°F (-20°C to 60°C). Avoid direct sunlight.
- **Battery Care:** Recharge the jump starter every 3-6 months, even if not used, to prolong battery life. Keep the battery level above 50% for optimal long-term storage.
- **Cable Inspection:** Regularly inspect the jumper cables and clamps for any signs of damage, wear, or corrosion. Replace if necessary.

7. TROUBLESHOOTING

- **Device Not Turning On:** Ensure the device is charged. If the battery is completely depleted, it may take a few minutes of charging before the display activates.
- **Vehicle Not Starting (Normal Mode):**
 - Check if the clamps are securely connected to the correct battery terminals.
 - Ensure the jump starter has sufficient charge (above 20%).
 - If the battery is completely dead, try Force Start Mode (Section 5.2).
- **Fault Detection Indicator On:** This indicates a safety protection has been triggered (e.g., reverse polarity, short circuit). Disconnect the clamps, check connections, and try again.
- **Charging Slow or Not Charging:** Ensure the USB-C cable is properly connected and the wall adapter provides sufficient power (preferably 18W PD).
- **LED Light Not Working:** Press the LED light button firmly and cycle through the modes. Ensure the device has some charge.

If issues persist, please contact AVAPOW customer support.

8. SPECIFICATIONS

Feature	Specification
Model	TJ18

Feature	Specification
Peak Current	3000 Amps
Voltage	12 Volts
Engine Compatibility	Up to 8.0L Gas / 8.0L Diesel
Battery Type	Lithium Ion
USB-C Input/Output	PD 18W Max
USB-A Output 1	5V/3A, 9V/2A, 12V/1.5A
USB-A Output 2	5V/3A, 9V/2A, 12V/1.5A
DC Output	12V/10A
LED Light Brightness	200 Lumens
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Safety Certifications	UL, CE, FCC
Item Weight	1.44 kg
Manufacturer	DONGGUAN CARPOWER NEW ENERGY CO.,LTD

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The AVAPOW TJ18 Jump Starter comes with a manufacturer's warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty card included in your product packaging or visit the official AVAPOW website. Keep your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting, or any questions regarding your AVAPOW TJ18 Jump Starter, please contact AVAPOW customer support through their official website or the contact information provided in your product documentation.



<table border="1"><tr><td>时间:</td><td>2023.11.07</td></tr><tr><td>比例:</td><td>A9</td></tr><tr><td>尺寸:</td><td>95*140mm</td></tr><tr><td>重量:</td><td>128g</td></tr><tr><td>材质:</td><td></td></tr><tr><td>颜色:</td><td></td></tr><tr><td>工艺:</td><td></td></tr></table>	时间:	2023.11.07	比例:	A9	尺寸:	95*140mm	重量:	128g	材质:		颜色:		工艺:		<p>AVAPOW A9 Car Jump Starter User Manual</p> <p>User manual for the AVAPOW A9 Car Jump Starter, providing detailed instructions on jump-starting vehicles, charging devices, specifications, and safety features.</p>
时间:	2023.11.07														
比例:	A9														
尺寸:	95*140mm														
重量:	128g														
材质:															
颜色:															
工艺:															
<table border="1"><tr><td>时间:</td><td>2022.4.2</td></tr><tr><td>比例:</td><td>1:1</td></tr><tr><td>产品型号:</td><td>A58</td></tr><tr><td>尺寸:</td><td>宽:95MM 高:140MM</td></tr><tr><td>材质:</td><td>1.28英寸液晶屏</td></tr><tr><td>颜色:</td><td>彩色印刷</td></tr><tr><td>工艺:</td><td>骑马钉</td></tr></table>	时间:	2022.4.2	比例:	1:1	产品型号:	A58	尺寸:	宽:95MM 高:140MM	材质:	1.28英寸液晶屏	颜色:	彩色印刷	工艺:	骑马钉	<p>AVAPOW 4000A Multi-function Portable Car Jump Starter User Manual</p> <p>User manual for the AVAPOW 4000A Multi-function Portable Car Jump Starter (Model A58). Includes product specifications, charging instructions, jump starting guide, indicator lights, and safety precautions.</p>
时间:	2022.4.2														
比例:	1:1														
产品型号:	A58														
尺寸:	宽:95MM 高:140MM														
材质:	1.28英寸液晶屏														
颜色:	彩色印刷														
工艺:	骑马钉														
<div><p>AVAPOW Multi-function car jump starter -User Manual- Model: A27</p></div>	<p>AVAPOW A27 Multi-function Car Jump Starter User Manual</p> <p>Comprehensive user manual for the AVAPOW A27 multi-function car jump starter. Learn how to jump start your vehicle, charge devices, use the LED flashlight, and understand safety warnings and specifications.</p>														
<div><p>AVAPOW</p><p>Portable Car Jump Starter User Manual • Uživatelský manuál • Упаковочный мануал • Упаковочный мануал • Benutzerhandbuch</p></div>	<p>AVAPOW E5 PRO Portable Car Jump Starter User Manual</p> <p>Comprehensive user manual for the AVAPOW E5 PRO Portable Car Jump Starter, detailing features, operation, safety instructions, troubleshooting, and specifications. Includes multilingual support.</p>														
<div><p>AVAPOW</p><p>Portable Car Jump Starter User Manual • Uživatelský manuál • Упаковочный мануал • Упаковочный мануал • Benutzerhandbuch</p></div>	<p>AVAPOW T8 Max Portable Car Jump Starter User Manual</p> <p>User manual for the AVAPOW T8 Max Portable Car Jump Starter. Learn about jump-starting vehicles, charging devices, LED flashlight features, specifications, and safety instructions.</p>														

AVAPOW

Multi-function car jump starter
-User Manual-
Model: A07



[AVAPOW A07 Multi-function Car Jump Starter User Manual](#)

User manual for the AVAPOW A07 multi-function car jump starter. This guide provides detailed specifications, instructions for jump starting vehicles, charging mobile devices, operating the LED flashlight, important safety warnings, and warranty exemption information.