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FLYLINKTECH BD10

FLYLINKTECH BD10 6000A 12V Car Jump Starter and Power Bank User Manual

1. INTRODUCTION

Thank you for choosing the FLYLINKTECH BD10 6000A 12V Car Jump Starter and Power Bank. This device is designed to provide emergency jump-starting for vehicles and serve as a portable power bank for various electronic devices. Please read this manual thoroughly before use to ensure safe and optimal operation.



Image 1.1: The FLYLINKTECH BD10 Jump Starter unit with its smart battery clamps.

2. SAFETY INFORMATION

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

- Do not attempt to jump-start a frozen battery.
- Ensure proper polarity connection (red clamp to positive, black clamp to negative). Reverse polarity can cause damage.
- Do not allow the smart clamps to touch each other when connected to the jump starter.
- Keep the device away from children.
- Do not expose the device to extreme temperatures (above 60°C / 140°F or below -20°C / -4°F) or direct sunlight for extended periods.
- Do not disassemble or modify the device.
- Use only the provided smart clamps and charging cables.
- If the device becomes excessively hot during use, disconnect it immediately.



Image 2.1: The jump starter incorporates multiple safety features such as spark-proof, reverse polarity, overvoltage, short circuit, overload, and high-temperature protection.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- FLYLINKTECH BD10 Jump Starter Unit
- Smart Battery Clamps
- USB-C to USB-C Cable
- USB-A to USB-C Cable
- 12V DC Car Charger Adapter
- User Manual
- Storage Case

WHAT'S IN THE BOX?



Image 3.1: The complete package includes the jump starter, smart clamps, various cables, user manual, and a protective storage case.

4. SETUP AND CHARGING

4.1 Initial Charge

Before first use, fully charge the jump starter. The device features a 26800mAh battery capacity.

- Connect the provided USB-C cable to the jump starter's USB-C input port.
- Connect the other end of the cable to a compatible USB wall charger (not included). For fastest charging, use a PD 45W charger.

- The LED screen will display the charging status and battery percentage.

4.2 Charging Times

Charger Rating	Approximate Charge Time
5W	18 Hours
18W	7 Hours
45W	2 Hours

Note: A 45W wall charger is not included in the package.

PD45W
FAST CHARGING



45W USB-C
IN & OUT

Charger Rating	Charge Time
5W	18H
18W	7H
45W	2H

NOTE: The package does not contain the 45W wall charger.

Image 4.1: The device supports PD 45W fast charging, significantly reducing recharge time when using a compatible charger.

5. OPERATING INSTRUCTIONS

5.1 Jump Starting a Vehicle

The FLYLINKTECH BD10 is capable of jump-starting all gas engines and diesel engines up to 12.0L.

1. **Ensure Sufficient Charge:** Check the jump starter's LED screen to ensure it has at least 50% charge.
2. **Connect Smart Clamps:** Insert the blue plug of the smart clamps into the jump starter's 12V output port. Ensure a firm connection.
3. **Connect to Car Battery:**
 - Attach the **red (+)** clamp to the vehicle's positive battery terminal.
 - Attach the **black (-)** clamp to the vehicle's negative battery terminal.
4. **Check Indicator:** The smart clamp indicator light should turn solid green, indicating a correct connection. If it flashes or shows red, check connections and battery status.
5. **Press BOOST (if needed):** If the vehicle battery is extremely low or completely dead, press the 'BOOST' button on the jump starter. Wait for the indicator light on the smart clamps to turn solid green.
6. **Start Vehicle:** Attempt to start your vehicle. If it doesn't start on the first try, wait 30 seconds before trying again. Do not attempt more than 3 consecutive starts.
7. **Remove Clamps:** Once the vehicle starts, immediately remove the smart clamps from the car battery, then disconnect them from the jump starter.

6000A PEAK CURRENT JUMP STARTER



12 V | **45W** PD | **60** STARTS | **All** GAS | **12.0L** DIESEL

Image 5.1: The jump starter connected to a car battery, ready for operation. It supports 6000A peak current, 12V output, and is suitable for a wide range of engines.



Image 5.2: Visual guide illustrating the four steps to jump-start a vehicle: connect the plug, attach clamps, press boost, and start the engine.

5.2 Power Bank Function

The BD10 can charge multiple electronic devices via its USB-A and USB-C ports.

- **USB1 Output:** Up to 18W (max)
- **USB2 Output:** Up to 18W (max)
- **USB-C Output:** Up to 45W (PD)

Connect your device using the appropriate USB cable to the desired output port. The LED screen will show 'OUT' and the wattage being drawn.

26800MAH POWER BANK

Charge multiple devices



Image 5.3: The jump starter functioning as a power bank, simultaneously charging a smartphone and a tablet via its USB ports.

5.3 LED Flashlight

The built-in LED flashlight offers three modes: constant light, SOS signal, and strobe light.

- Press and hold the flashlight button to turn on the constant light.
- Press the button again to cycle through SOS and strobe modes.
- Press and hold again to turn off.

EMERGENCY LED FLASHLIGHT



Flashlight



SOS



Strobe



Image 5.4: The integrated LED flashlight provides illumination, an SOS signal, and a strobe function for emergency situations.

5.4 Informative LED Screen

The 6.0-inch LED screen provides real-time information about the device's status:

- **Battery Level:** Displays the remaining battery percentage.
- **IN/OUT Indicator:** Shows whether the device is charging (IN) or discharging (OUT).
- **Wattage Display:** Indicates the power (W) being drawn or supplied.
- **Error Warnings:** Displays specific error codes or symbols if an issue occurs.

INFORMATIVE LED SCREEN

Better understand the battery level, operational status and possible error.

6.0"
LED SCREEN



Image 5.5: The 6.0-inch LED screen provides clear information on battery percentage, input/output status, and power consumption.

6. MAINTENANCE

- **Recharge Regularly:** To prolong battery life, recharge the jump starter every 3-6 months, even if not in use.
- **Storage:** Store the device in its protective case in a cool, dry place, away from direct sunlight and moisture.
- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.
- **Clamp Care:** Ensure the smart clamps are clean and free of corrosion before and after each use.

7. TROUBLESHOOTING

The device features multiple alarm situations indicated by audible signals and screen displays:

- **Low Voltage Protection:** Audible signal "3". Recharge the device.
- **External Voltage Exceeds Vehicle Voltage:** Audible signal "4". Check vehicle battery voltage.
- **Short Circuit Protection:** Audible signal "5". Check clamp connections for short circuits.
- **Safety Mode Activated:** Audible signal "6". Device has entered safety mode due to an issue.
- **Overcurrent Protection:** Audible signal "7". Reduce load or check connections.
- **High/Low Temperature Alarm:** Audible signal "8". Allow device to return to operating temperature range (-20°C to 60°C).
- **Reverse Connection:** Audible signal "9". Correct the clamp polarity.



Image 7.1: Overview of the device's multi-alarm system, indicating various protection states with unique audible signals.

If problems persist after following these steps, please contact customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	FLYLINKTECH
Model	BD10
Peak Output Current	6000 Ampere
Battery Capacity	26800mAh
Output Voltage	12V
USB-C Input/Output	PD 45W
USB-A Output	18W (max)
Applicable Engine Types	All Gas, up to 12.0L Diesel
Operating Temperature	-20°C to 60°C (-4°F to 140°F)

Feature	Specification
Product Dimensions	23.95 x 10 x 5.69 cm
Item Weight	920 g



Image 8.1: The device is designed to operate reliably in extreme climates, from -20°C (-4°F) to 60°C (140°F).

9. WARRANTY AND SUPPORT

FLYLINKTECH is committed to providing high-quality products. For any questions, technical assistance, or warranty claims, please refer to the contact information provided with your purchase or visit the official FLYLINKTECH website. Please retain your proof of purchase for warranty purposes.

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Related Documents - BD10

 FLYLINKTECH BD10 Jump Starter Power Bank User Manual Comprehensive user manual for the FLYLINKTECH BD10 Jump Starter Power Bank, detailing its features, operation, and safety guidelines. Learn how to use it as a jump starter, power bank, and LED flashlight.
 FLYLINKTECH BD10 Jump Starter Power Bank User Manual Comprehensive user manual for the FLYLINKTECH BD10 Jump Starter Power Bank, covering product layout, operation guidance, charging instructions, jump-starting a vehicle, specifications, warnings, maintenance, FAQ, and compliance information.
 FLYLINKTECH BD20 Jump Starter Power Bank User Manual Comprehensive user manual for the FLYLINKTECH BD20 Jump Starter Power Bank, detailing product layout, operation guidance, charging, jump starting vehicles, troubleshooting, technical specifications, and warranty information. Includes safety warnings and disposal instructions.

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