

DBPOWER F15A

DBPOWER Smart Jump Starter Clamps F15A User Manual

Model: F15A

INTRODUCTION

These DBPOWER Smart Jump Starter Clamps are designed as a replacement or upgrade for compatible DBPOWER 12V car jump starters. They feature an integrated LCD screen for real-time voltage display and incorporate multiple protection systems to ensure safe and reliable operation during vehicle jump-starting.

SAFETY INFORMATION AND PROTECTION SYSTEMS

The intelligent jumper clamps are equipped with 8 protection systems to prevent common misoperations and ensure user safety. Always follow these guidelines when using the clamps.

8 PROTECTIONS SYSTEM



SURGE VOLTAGE
PROTECTION



OVER CURRENT
PROTECTION



REVERSE POLARITY
PROTECTION



HIGH TEMPERATURE
PROTECTION



HIGH VOLTAGE
PROTECTION



SHORT CIRCUIT
PROTECTION



OVER DISCHARGE
PROTECTION



REVERSE CONNECTION
PROTECTION

Image: This diagram illustrates the eight built-in protection systems: Surge Voltage Protection, Overcurrent Protection, Reverse Polarity Protection, High Temperature Protection, High Voltage Protection, Short Circuit Protection, Over Discharge Protection, and Reverse Connection Protection. These features safeguard both the user and the vehicle's battery.

- **Surge Voltage Protection:** Prevents damage from sudden voltage spikes.
- **Overcurrent Protection:** Guards against excessive current flow.
- **Reverse Polarity Protection:** Alerts and prevents operation if clamps are connected incorrectly to battery terminals.
- **High Temperature Protection:** Shuts down operation if the unit overheats.
- **High Voltage Protection:** Protects against overvoltage conditions.
- **Short Circuit Protection:** Prevents damage from accidental short circuits.
- **Over Discharge Protection:** Protects the jump starter battery from being excessively drained.
- **Reverse Connection Protection:** Ensures correct connection to the vehicle battery.

PRODUCT FEATURES

- **LCD Screen:** Displays real-time battery voltage, eliminating the need for a separate voltmeter.
- **Durable Material:** Constructed with high-quality ABS material and full copper cables for stable and

insulated performance.

- **Enhanced Safety:** Upgraded design for improved protection and reliability compared to older models.

SUPER SAFE JUMPER CLAMP

Upgraded Safe Protection

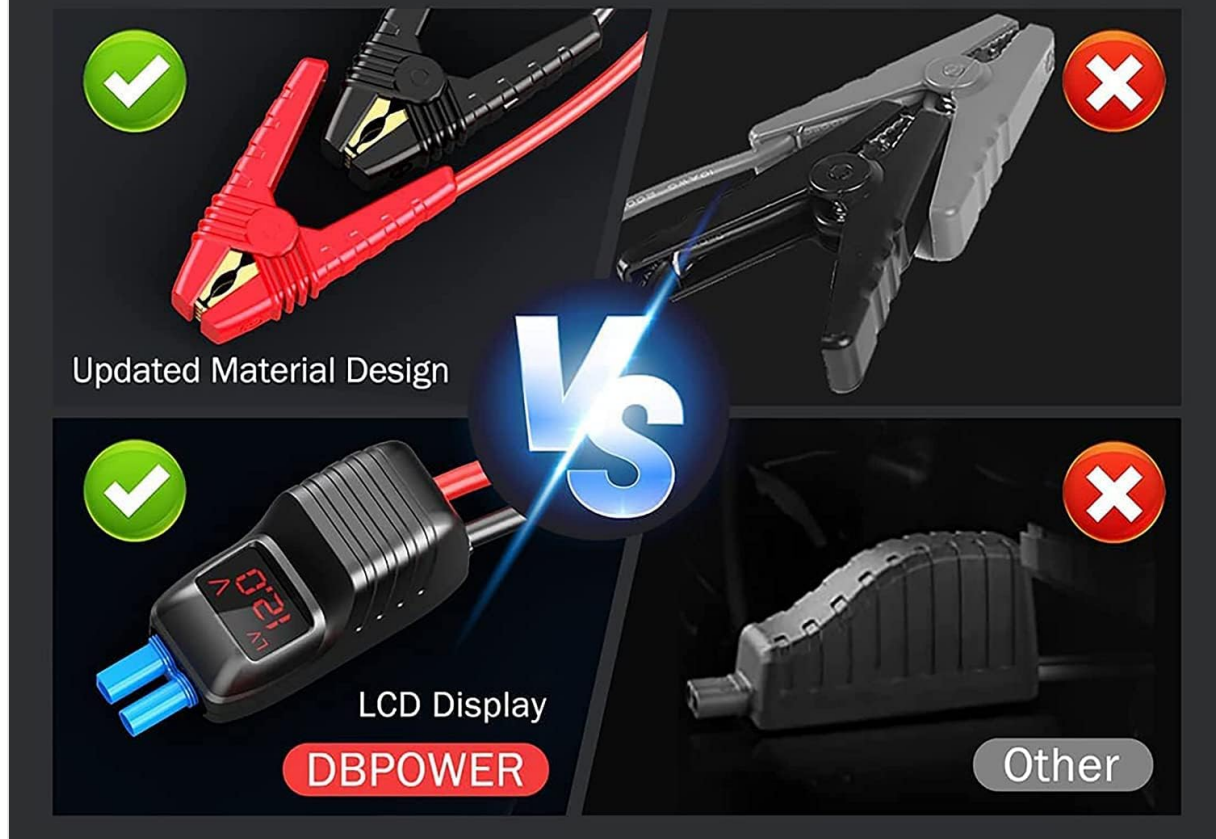


Image: This image highlights the upgraded material design and the integrated LCD display of the DBPOWER Smart Jumper Clamp, contrasting it with a generic clamp lacking these features.

SUPER SAFE CLAMPS

LCD DISPLAY

Reverse Polarity Protection

Short-circuit Protection

Upgraded Material Design



Image: A detailed view of the DBPOWER Smart Jumper Clamps, emphasizing the LCD display and the robust construction designed for reverse polarity and short-circuit protection.

COMPATIBILITY

These smart jumper clamps are specifically designed to be compatible with the following DBPOWER 12V car jump starter models:

- DBPOWER DJS80
- DBPOWER G15
- DBPOWER G16

COMPATIBLE WITH DBPOWER JUMP STARTER



Image: This image shows the DBPOWER Smart Jumper Clamps connected to different compatible DBPOWER jump starter units, including models DJS80, G15, and G16, demonstrating their intended use.

OPERATING INSTRUCTIONS

Steps to Jump Start Your Car

1. **Connect to the Jump Starter:** Insert the blue plug of the smart clamps into the corresponding port on your DBPOWER jump starter. Ensure a secure connection.
2. **Connect Clamps to Car Battery:** Attach the red positive (+) clamp to the positive (+) terminal of the car battery. Attach the black negative (-) clamp to the negative (-) terminal of the car battery. The LCD screen on the clamps will display the battery voltage.
3. **Start the Car Engine:** Once the clamps are correctly connected and the jump starter is ready (refer to your jump starter's manual for specific indicators), start your car's engine.
4. **Remove the Clamps:** After the car engine starts, immediately remove the clamps from the car battery, first the black negative (-) clamp, then the red positive (+) clamp. Disconnect the clamps from the jump starter.

STEPS TO JUMP START YOUR CAR



1 Connect with the jump starter

2 Connect the Clamps to the car battery



3 Start the car engine

4 Remove the clamps

Image: This visual guide demonstrates the four steps for jump starting a car: 1. Connect the clamps to the jump starter. 2. Connect the clamps to the car battery. 3. Start the car engine. 4. Remove the clamps.

LCD DISPLAY INDICATORS AND TROUBLESHOOTING

The integrated LCD screen provides important feedback during operation. Observe the display for status and error messages.

SAFETY SMART LED CLAMP CABLES



Image: This image displays the LCD screen of the smart clamps, showing various indicators such as current voltage (e.g., 13.0V), and error codes like LV (Low Voltage), HV (High Voltage), RC (Reverse Charge), SC (Short Circuit), HT (High Temperature), and Overload. These indicators assist in diagnosing issues during jump-starting.

LCD Display Indicators

Indicator	Meaning	Action
Voltage Display (e.g., 12.0V)	Current voltage of the vehicle battery.	Proceed with jump start if voltage is low but within acceptable range for jump starting.
LV (Low Voltage)	Vehicle battery voltage is too low.	Ensure jump starter is fully charged. Check battery connections.
HV (High Voltage)	Vehicle battery voltage is too high.	Do not attempt to jump start. Consult a mechanic.
RC (Reverse Charge)	Indicates reverse charging or incorrect connection.	Check clamp connections to battery terminals. Ensure red is to positive (+), black to negative (-).

Indicator	Meaning	Action
SC (Short Circuit)	A short circuit has been detected.	Immediately disconnect clamps. Inspect cables and terminals for damage or improper contact.
HT (High Temperature)	The clamps or jump starter are overheating.	Disconnect and allow the unit to cool down before attempting further use.
Overload	Excessive current draw detected.	Ensure the vehicle's electrical system is not drawing too much power. Consult vehicle manual.

SPECIFICATIONS

Feature	Detail
Model Number	F15A
Voltage	12 Volts
Item Weight	231 g
Material	High-quality ABS, Copper
UPC	840164806472
Compatible Jump Starters	DBPOWER DJS80, G15, G16

MAINTENANCE AND STORAGE

- Keep the clamps clean and dry. Wipe off any dirt, oil, or battery acid residue after each use.
- Inspect the cables and clamps regularly for any signs of damage, fraying, or corrosion. Do not use if damaged.
- Store the clamps in a cool, dry place, away from direct sunlight and extreme temperatures.
- Ensure the clamps are disconnected from the jump starter and vehicle battery when not in use.

CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries, please refer to the contact information provided with your original DBPOWER jump starter unit or visit the official DBPOWER website.