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JFA 7898554804334

JFA Power Supply and Charger User Manual

Model: 7898554804334

1. INTRODUCTION

Thank you for choosing the JFA Power Supply and Charger. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and retain it for future reference.

1.1 Safety Information

- Always connect the power supply to a grounded outlet.
- Do not expose the device to moisture or extreme temperatures.
- Ensure proper ventilation to prevent overheating.
- Disconnect power before performing any maintenance or cleaning.
- Do not attempt to open or repair the unit yourself. Refer to qualified service personnel.

2. PRODUCT OVERVIEW

The JFA Power Supply and Charger is designed to provide stable power and efficiently charge batteries. It features an intelligent charging system (SCI) to optimize battery life and performance.

2.1 Components



Figure 1: Front View of JFA Power Supply and Charger. This image shows the front panel of the JFA Power Supply and Charger, highlighting the digital display, indicator LEDs for voltage and current, and control buttons for reading mode and operation mode. The JFA logo and "150 A FONTE SCI" are visible.

- **Digital Display:** Shows real-time voltage or current readings.
- **Voltage Indicator LEDs:** Indicate the current voltage level.
- **Current Indicator LEDs:** Indicate the current amperage.
- **Reading Mode Selector:** Button to switch between voltage and current display.
- **Operation Mode Selector:** Button to select different operating modes or charging profiles.
- **Charge Indicator LEDs:** Show the battery's charge status (e.g., 15%, 50%, 80%, Full).
- **Cooling Fan:** Located on the side for thermal management.
- **Output Terminals:** Connectors for power output and battery charging.



Figure 2: Angled View with Cooling Fan and Output Terminals. This image provides an angled perspective of the JFA Power Supply and Charger, clearly showing the integrated cooling fan on the right side and the red and black output terminals for connecting to a battery or other devices.

3. SETUP INSTRUCTIONS

3.1 Unpacking

Carefully remove the JFA Power Supply and Charger from its packaging. Inspect the unit for any signs of damage during transit. If damage is found, do not use the device and contact customer support.

3.2 Placement

Place the unit on a stable, flat surface in a well-ventilated area. Ensure there is sufficient space around the cooling fan for unrestricted airflow. Avoid placing it near heat sources or in direct sunlight.

3.3 Connecting to Power

1. Ensure the power supply is switched off.
2. Connect the AC power cord to the power supply unit.
3. Plug the other end of the AC power cord into a standard, grounded electrical outlet.

3.4 Connecting to Battery/Load

1. Identify the positive (+) and negative (-) output terminals on the JFA Power Supply and Charger.
2. Connect the positive (+) cable from your battery or load to the red (+) terminal on the power supply.
3. Connect the negative (-) cable from your battery or load to the black (-) terminal on the power supply.

4. Ensure all connections are secure and free from short circuits.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on, flip the main power switch to the "ON" position. The digital display and indicator LEDs will illuminate.
- To power off, flip the main power switch to the "OFF" position.

4.2 Displaying Voltage and Current

Use the **Reading Mode Selector** button on the control panel to toggle between displaying the output voltage and the output current on the digital display. The corresponding indicator LED (Tensão for Voltage, Corrente for Current) will light up to show the active display mode.

4.3 Charging a Battery

1. Ensure the battery is correctly connected to the output terminals as described in Section 3.4.
2. Power on the unit.
3. Select the appropriate charging mode using the **Operation Mode Selector** button. Refer to the device's specific charging profiles if available (e.g., "Auto SCI 14.4V").
4. Monitor the **Charge Indicator LEDs** to track the battery's charging progress (15%, 50%, 80%). The "Bateria Carregada" (Battery Charged) LED will illuminate when charging is complete.
5. Once fully charged, you may disconnect the battery or leave it connected for maintenance charging if the unit supports it.

5. MAINTENANCE

5.1 Cleaning

Before cleaning, ensure the unit is powered off and disconnected from the AC outlet and any connected batteries/loads. Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid cleaners or solvents, as they may damage the finish or internal components. Keep the cooling fan vents clear of dust and debris.

5.2 Storage

When not in use for extended periods, store the power supply in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure it is disconnected from all power sources.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	No AC power; Power switch off; Faulty power cord.	Check AC outlet and power cord connection; Ensure power switch is ON; Try a different power cord.
No output voltage/current.	Incorrect connections; Overload protection activated.	Verify positive and negative connections; Reduce load or disconnect battery, then restart the unit.
Battery not charging.	Battery deeply discharged; Incorrect charging mode; Faulty battery.	Allow more time for charging; Select appropriate charging mode; Test battery with another charger or replace if necessary.

Problem	Possible Cause	Solution
Unit overheating.	Blocked ventilation; Excessive load.	Ensure cooling fan vents are clear; Reduce connected load.

7. SPECIFICATIONS

Feature	Detail
Brand	JFA
Model Number	7898554804334
Item Weight	5.57 pounds
Product Dimensions (LxWxH)	15.75 x 7.87 x 7.87 inches
Color	Black
Manufacturer	JFA ELECTRONICS
ASIN	B07YN8LG3R

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or visit the official JFA website. Keep your proof of purchase for warranty claims.

Note: Specific warranty terms and conditions may vary by region and retailer.