

FERVE F-918

FERVE F918 Battery Charger User Manual

Model: F-918

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your FERVE F918 Battery Charger. Please read this manual thoroughly before using the device to ensure proper handling, maintenance, and to prevent damage or injury.

The FERVE F918 is a robust battery charger designed for lead-acid batteries (12V and 24V) with capacities ranging from 80 Ah to 225 Ah. It features a digital voltmeter and ammeter, along with a test function, all housed in a durable metal casing.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, fire, or injury:

- Read all instructions before use.
- Use the charger only in well-ventilated areas.
- Do not expose the charger to rain or excessive moisture.
- Ensure the charger is disconnected from the power supply before making or breaking connections to the battery.
- Wear eye protection and gloves when working with batteries.
- Keep out of reach of children.
- Do not charge non-rechargeable batteries.
- Avoid sparks or flames near the battery during charging.

The product image below shows the main unit and its components.

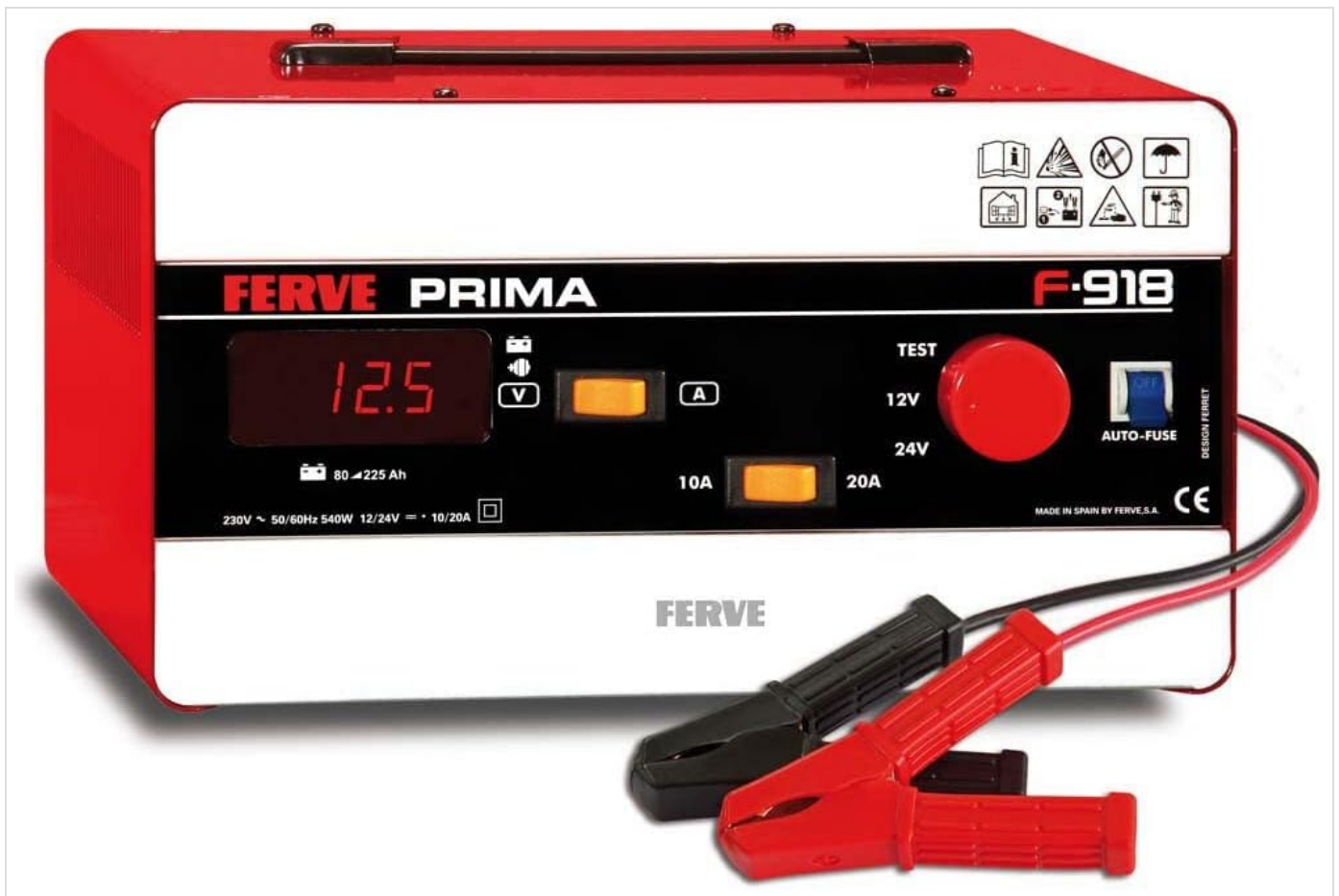


Image: The FERVE F918 battery charger, a red and white unit with a digital display showing "12.5". It has control buttons for voltage (V) and amperage (A), and switches for 10A/20A and 12V/24V. Red and black battery clamps are connected to the front. Safety icons are visible on the top right of the front panel.

3. SETUP

1. **Unpacking:** Carefully remove the charger from its packaging. Inspect for any signs of damage.
2. **Placement:** Place the charger on a stable, flat surface in a well-ventilated area, away from direct sunlight, heat sources, and flammable materials.
3. **Battery Preparation:** Ensure the battery terminals are clean and free of corrosion. If necessary, clean them with a wire brush.
4. **Connecting to Battery:**
 - Connect the **red (+)** clamp to the positive (+) terminal of the battery.
 - Connect the **black (-)** clamp to the negative (-) terminal of the battery.
 - Ensure connections are secure.
5. **Power Connection:** Only after connecting the clamps to the battery, plug the charger's power cord into a suitable 230V AC outlet.

4. OPERATING INSTRUCTIONS

4.1. Charging a Battery

1. **Select Voltage:** Use the voltage selector switch (red rotary knob) on the front panel to choose between **12V** or **24V**, matching your battery's voltage.
2. **Select Amperage:** Use the amperage selector switches (orange buttons) to choose between **10A** or **20A**,

depending on the battery's capacity and desired charging speed. For larger batteries or faster charging, select 20A.

- 3. **Monitor Display:** The digital display will show the current voltage and amperage during charging.
- 4. **Charging Process:** The charger will automatically begin charging. Monitor the display for progress. Charging is complete when the amperage draw significantly decreases or the voltage stabilizes.
- 5. **Disconnecting:** Once charging is complete, first unplug the charger from the AC outlet, then disconnect the black (-) clamp, followed by the red (+) clamp from the battery.

4.2. Test Function

The FERVE F918 includes a test function to check the battery's voltage. To use this function, ensure the charger is connected to the battery but not necessarily to the main power supply. Select the "TEST" position on the red rotary knob. The digital display will show the current battery voltage.

5. MAINTENANCE

- **Cleaning:** Disconnect the charger from all power sources and batteries before cleaning. Wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place when not in use. Keep the cables neatly coiled.
- **Cable Inspection:** Regularly inspect the power cord and battery cables for any signs of damage, fraying, or exposed wires. Do not use the charger if cables are damaged.
- **Fuse Replacement:** The charger features an "AUTO-FUSE" system. If the charger stops working, check the fuse. Refer to the diagram on the unit for fuse location and replacement instructions if applicable (though "AUTO-FUSE" implies self-resetting or internal, non-user-serviceable).

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger not turning on.	No power from outlet; loose power cord; internal fuse tripped.	Check outlet with another device; ensure power cord is securely plugged in; if "AUTO-FUSE" is indicated, allow time for reset or consult service if persistent.
Battery not charging.	Incorrect voltage/amperage selection; poor battery clamp connection; battery is severely discharged or faulty.	Verify 12V/24V and 10A/20A settings; ensure clamps are clean and securely attached; test battery condition separately.
Digital display not working.	Power issue; internal fault.	Check power connection; if problem persists, contact customer support.

7. SPECIFICATIONS

- **Model:** F-918
- **Input Voltage:** 230V ~ 50/60Hz
- **Power Consumption:** 540W
- **Output Voltage:** 12V / 24V
- **Charging Current:** 10A / 20A

- **Battery Capacity:** 80 Ah - 225 Ah (Lead-Acid Batteries)
- **Features:** Digital Voltmeter & Ammeter, Test Function, Robust Metal Casing, Auto-Fuse
- **Weight:** 11.75 Kilograms
- **Manufacturer:** Ferve
- **Made in:** Spain

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact your local FERVE distributor or refer to the purchase documentation. Keep your proof of purchase for warranty claims.

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Documents - FERVE – F-918

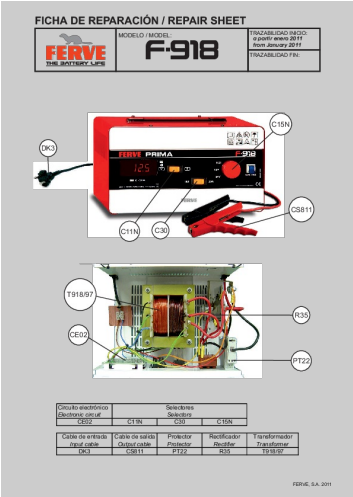


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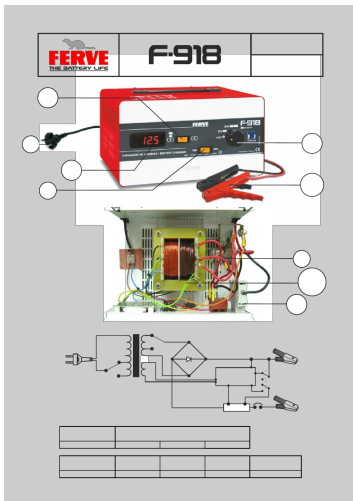


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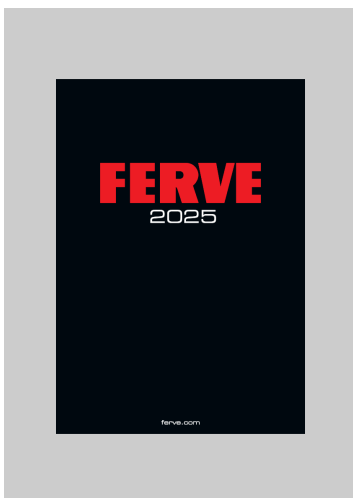
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