

FERVE F-2201

FERVE F-2201 Automatic Battery Charger

User Manual

1. INTRODUCTION

Thank you for choosing the FERVE F-2201 Automatic Battery Charger. This device is designed for efficient and safe charging and maintenance of lead-acid batteries with capacities ranging from 4 to 45 Ah. It is ideal for use with motorcycles, cars, and other vehicles requiring 6V or 12V battery charging.

This manual provides essential information for the correct installation, operation, and maintenance of your F-2201 charger. Please read it thoroughly before use to ensure optimal performance and safety.



Image: Front view of the Ferve F-2201 Automatic Battery Charger, showing its compact design and indicator lights.

2. SAFETY INFORMATION AND FEATURES

Your FERVE F-2201 charger incorporates several safety features to protect both the device and your battery. Always follow these guidelines for safe operation:

- Ensure the charger is connected to a grounded power outlet.
- Do not expose the charger to rain or excessive moisture.
- Avoid charging frozen or damaged batteries.
- Always connect the charger to the battery before plugging it into the mains power.
- Disconnect the mains power before disconnecting the battery.
- Keep out of reach of children.

Integrated Protection Features:

- **Protection Against Incorrect Connection:** Prevents damage if battery polarity is reversed.
- **Protection Against Short Circuit:** Automatically shuts off in case of a short circuit.
- **Protection Against Overcurrent:** Regulates current to prevent overload.
- **Protection Against Overtemperature:** Monitors internal temperature and reduces output if overheating occurs.
- **Smart Charging:** Optimizes the charging process for battery health.
- **Battery Test Function:** Assesses battery condition.



Image: Visual representation of the Ferve F-2201's universal compatibility and integrated safety protections.

3. PRODUCT OVERVIEW

3.1. Components Included:

- FERVE F-2201 Automatic Battery Charger unit
- Output cable with insulated clamps (red and black)
- Output cable with ring terminals (for permanent connection)



Image: The Ferve F-2201 charger shown with its included battery clamps and ring terminal connectors.

3.2. Controls and Indicators:

Indicator/Control	Description
POWER LED (Green)	Indicates the charger is connected to mains power.
Battery Status LEDs	Show the current charge level of the battery (e.g., low, charging, 100%).
Error LED (Red)	Indicates a fault, such as incorrect connection or a problem with the battery.
MODE Button	Allows selection between 6V and 12V charging modes.
Voltage LEDs (6V / 12V)	Indicate the currently selected charging voltage.

4. SETUP AND INITIAL CONNECTION

Follow these steps to connect your F-2201 charger to a battery:

1. Ensure the vehicle's ignition is off and all electrical consumers are switched off.
2. Connect the red clamp to the positive (+) terminal of the battery.
3. Connect the black clamp to the negative (-) terminal of the battery.
4. Connect the charger's output cable (with clamps or terminals) to the charger unit.
5. Finally, plug the F-2201 into a standard mains power socket (220-240V ~ 50/60Hz).
6. The green 'POWER' LED will light up, along with the red LED for the last selected voltage (6V or

12V).

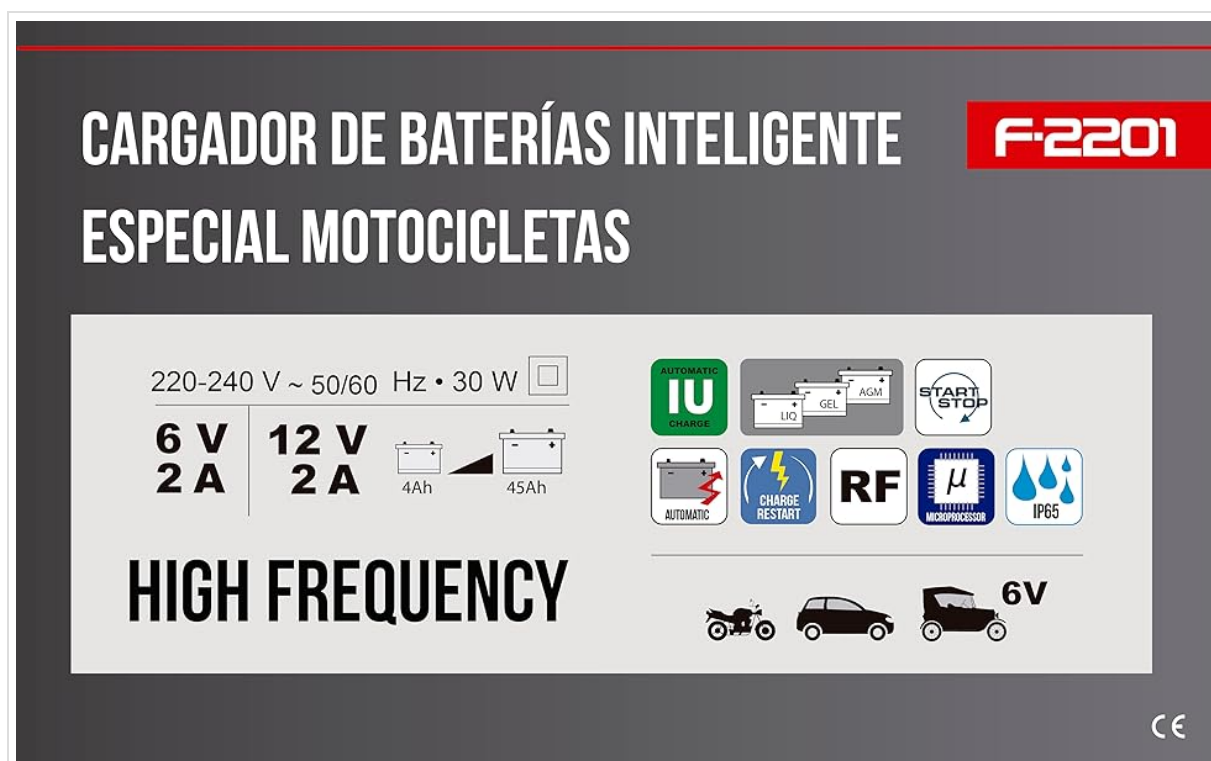


Image: Step-by-step diagram showing how to connect the Ferve F-2201 charger to a battery and mains power.

5. OPERATING INSTRUCTIONS

5.1. Selecting Voltage Mode:

After connecting the charger to the battery and mains power, press the 'MODE' button to toggle between 6V and 12V charging modes. The corresponding voltage LED will illuminate.

5.2. Charging Process:

The F-2201 is an automatic charger. Once the correct voltage is selected, it will automatically begin the charging process. The battery status LEDs will indicate the progress of the charge. When the battery is fully charged, the '100%' LED will light up, and the charger will switch to maintenance mode.

5.3. Maintenance Mode:

In maintenance mode, the charger provides a trickle charge to keep the battery at optimal capacity without overcharging. This is ideal for long-term battery storage.

5.4. Disconnecting the Charger:

1. Unplug the charger from the mains power socket.
2. Disconnect the black clamp from the negative (-) battery terminal.
3. Disconnect the red clamp from the positive (+) battery terminal.

6. MAINTENANCE

To ensure the longevity and proper functioning of your FERVE F-2201 charger, follow these simple maintenance guidelines:

- **Cleaning:** Disconnect the charger from all power sources 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 to prevent damage.
- **Cable Inspection:** Periodically inspect the power cord and battery cables for any signs of damage, such as cuts, fraying, or exposed wires. Do not use the charger if any cables are damaged.
- **Terminal Care:** Keep the battery terminals clean and free of corrosion for optimal connection.

7. TROUBLESHOOTING

If you encounter issues with your F-2201 charger, refer to the table below for common problems and their solutions:

Problem	Possible Cause	Solution
Charger does not turn on (no POWER LED)	No mains power; faulty power outlet; damaged power cord.	Check power outlet with another device; inspect power cord for damage; try a different outlet.
Error LED is lit	Incorrect battery connection (reversed polarity); short circuit; battery fault.	Disconnect and reconnect clamps with correct polarity; check for short circuits; have battery tested by a professional.
Battery not charging	Incorrect voltage selected; battery is deeply discharged or faulty; poor connection.	Ensure correct 6V/12V mode is selected; check battery terminals for corrosion and clean if necessary; battery may be beyond recovery.
Charger gets hot	Normal during charging; poor ventilation; overcurrent.	Ensure adequate ventilation around the charger; if excessively hot and error LED is off, contact support.

8. SPECIFICATIONS

Feature	Detail
Brand	FERVE
Model	F-2201
Manufacturer	FERVE, S.A.
Input Voltage	220-240V ~ 50/60Hz
Output Voltage	6V / 12V (DC)
Charging Current	2A
Recommended Battery Capacity	4 Ah to 45 Ah
Product Dimensions	5.8 x 8.3 x 5 cm
Product Weight	510 g

Feature	Detail
Color	Red
Charger Type	Automatic, High Frequency
GTIN (Global Trade Item Number)	08412473122011

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official FERVE website. For technical support, troubleshooting assistance beyond this manual, or spare parts, please contact FERVE customer service through the contact details provided on their official channels.

Please retain your proof of purchase for any warranty claims.

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Related Documents - F-2201

	FERVE F-968 & F-909 Automatic Battery Chargers: User Guide and Specifications Detailed user guide for FERVE F-968 and F-909 automatic battery chargers. Covers operation, safety, technical specs, and warranty for 6V, 12V, and 24V batteries.
	FERVE DUAL F-908 Battery Charger - 12V, 5-10A, Ripple Free Technology Comprehensive guide to the FERVE DUAL F-908 battery charger. Learn about its features, specifications, safe operation, and warranty. Ideal for 12V batteries, including AGM, GEL, and LIQ types.
	Ferve Prima Battery Chargers F-806 and F-807 User Manual Comprehensive user and safety manual for Ferve Prima battery chargers, models F-806 and F-807. Includes operating instructions, technical specifications, and warranty information.
	FERVE DUAL F-2320 Manual / Automatic Battery Charger User manual and operating instructions for the FERVE DUAL F-2320 manual/automatic battery charger. Covers safety precautions, battery testing, alternator testing, charging process, and warranty information.

	FERVE F-2507 Automatic Battery Charger User Manual User manual for the FERVE F-2507 Automatic Battery Charger, detailing its features, operation, and troubleshooting for 12V and 24V batteries.
	FERVE Fast Battery Chargers: User Manual and Specifications Comprehensive guide to FERVE Fast battery chargers, including models F-923, F-925, F-925RF, F-970, and F-970RF. Covers safety precautions, operating instructions, technical specifications, and warranty information.

Documents - FERVE – F-2201



[\[pdf\]](#) User Manual Instructions

INSTRUCCIONS F 2201 web 17 hours ago — Lea el manual de instrucciones antes usar cargador Read the instruction before using charger Veuillez lire le manuel d instructions avant Instruccions V1 ferve ||| NH **F-2201** E PRECAUCIONES GB PRECAUTIONS F PRCAUTIONS D VORSICHTSMASSNAHMEN NL WAARSCHUWINGEN I Lea el manual de instrucciones antes de usar el cargador. I Read the instruction manual before using the charger. I Veuillez lire le manuel d instructions avant d utiliser le chargeur. I I Bitte lesen Si...

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Instruccions F 2201 LLIBRE 10 mag 2024 — AUTOMATIC BATTERY CHARGER CARGADOR AUTOMÁTICO DE I Read the instruction manual before using charger The green LED 100% battery turns on when web ferve FERVE PRECAUCIONES PRECAUTIONS IRead ILea el de instrucciones antes usar cargador IAvoid flames and sparks IEvite las llamas y chispas IDisconnect mains cable 1 connecting or disconnecting clamps 2 IDesconecte red conectar o desconectar pinzas IUtilícelo en un lugar ventilado ||| **F-2201** CARGADOR AUTOMTICO DE BATERAS AUTOMATIC BATTERY CHARGER 6 / 12 V 2 A 160 x 34 x 65 mm 410 g 220-240 V - 50/60 Hz 30 W 6 V 12 V 2A 2 A 4Ah 45Ah AGM GEL LIQ START STOP AUTOMATIC CHARGE RESTART RF MICROPROCESSOR IP65 6V PRECAUCIONES PRECAUTIONS I Lea el manual de instruccione...

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FITXES HF FULLETO F 2201 ferve |||

HF CARGADORES DE ALTA FRECUENCIA CE NORM. EN 60335-2-29 **F-2201**

CARGADOR AUTOMTICO 6-12 V 2A 6V 2A 12V Accesorios Incluidos: IP65

MICROPROCESSOR ESPECIAL LIQ AGM GEL START STOP MOTOCICLETAS

ESPECIFICACIONES: Intensidad: 2 A Tensin de la batera: 6-12 V Bateras

recomendadas: de ...

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2023 ferve.com 2023 Bienvenidos Welcome Bienvenue Les presentamos el nuevo

catlogo FERVE 2023, q ... AGM et Start Stop, et selon le modle, galement pour

batteries au lithium Li-PO et LiFePO4 . 100 **F-2201** F-2505 F-2507 F-2510 F-2512 F-

2520 F-2525 F-9012 F-9030 F-9100 F-4808 F-4808 220-240 V - 50...

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pour batteries au lithium LiFePO4 . 100 **F-2201** 220-240 V - 50/60 Hz 30 W 6 - 12 V

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