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FERVE F-2914

Ferve F-2914 Automatic Lead-Acid Battery Charger

INSTRUCTION MANUAL



Ferve brand banner with a red car and the text 'The Battery Life', indicating the product's purpose.

1. Introduction

Thank you for choosing the Ferve F-2914 Automatic Lead-Acid Battery Charger. This manual provides essential information for the safe and efficient operation of your new charger. Please read all instructions carefully before use and retain this manual for future reference.

The F-2914 is designed for charging lead-acid batteries with capacities ranging from 35 to 140 Ah, supporting both 12V and 24V systems. It features a robust metal casing and a digital voltmeter display for precise monitoring.



Image of the Ferve F-2914 Automatic Lead-Acid Battery Charger, showing its compact design and digital display.

2. Safety Instructions

Always observe the following safety precautions to prevent injury or damage to the charger or battery:

- Read all instructions before using the charger.
- Use the charger in a well-ventilated area.
- 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 frozen batteries.
- Avoid sparks or flames near the battery, as batteries can produce explosive gases.

3. Product Features

The Ferve F-2914 charger offers several key features for effective battery maintenance:

- **Tetra RF Charger:** Supports 12V and 24V systems with selectable charging currents.
- **Battery Compatibility:** Suitable for lead-acid batteries with capacities between 35 Ah and 140 Ah.
- **Digital Voltmeter Display:** Provides real-time voltage readings for accurate monitoring.
- **Robust Metal Casing:** Ensures durability and protection for the internal components.
- **Universal Style:** Designed for broad compatibility with various vehicle types.



The Ferve F-2914 charger shown in a professional workshop environment, highlighting its robust design.

4. 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 moisture.
3. **Power Connection:** Ensure the charger's power cable is easily accessible to an appropriate electrical outlet. Do not plug it in yet.

5. Operating Instructions

Follow these steps to safely charge your battery:

1. **Connect to Battery:**
 - Connect the red positive (+) clamp to the positive (+) terminal of the battery.
 - Connect the black negative (-) clamp to the negative (-) terminal of the battery. If charging a battery installed in a vehicle, connect the negative clamp to the vehicle chassis away from the battery and fuel line.
2. **Select Voltage:** The F-2914 supports both 12V and 24V batteries. Use the voltage selector switch on the charger to match your battery's voltage.

3. **Select Charge Current:** Choose the desired charging current (6A or 12A) using the current selector switch. A lower current is generally safer for smaller batteries or for a slower, more thorough charge.
4. **Select Mode (Manual/Automatic):** The F-2914 offers both manual and automatic charging modes. Select the appropriate mode based on your charging needs. Automatic mode is recommended for most users as it manages the charging process automatically.
5. **Connect to Power:** Plug the charger's power cord into a suitable electrical outlet. The digital display will illuminate, showing the battery voltage.
6. **Monitor Charging:** The digital voltmeter will show the battery's voltage during charging. The charger will automatically adjust the charging process in automatic mode.
7. **Disconnecting:** Once charging is complete (indicated by the charger or stable voltage reading), first unplug the charger from the electrical outlet. Then, disconnect the negative (-) clamp, followed by the positive (+) clamp.

CARGADOR AUTOMÁTICO PROFESIONAL

Doble tensión: 12-24V

Doble intensidad de carga: 4-8A

Dos tipos de carga: Manual - automático

Para todos tipo de baterías de plomo-ácido



FERVE



Close-up of the Ferve F-2914 charger's control panel, highlighting the dual voltage (12V/24V) selection feature.

6. Maintenance

- **Cleaning:** Keep the charger clean and free from dust and debris. Use a dry cloth to wipe the exterior. Do not use solvents or abrasive cleaners.
- **Storage:** Store the charger in a cool, dry place when not in use. Ensure cables are neatly coiled and not kinked.
- **Inspection:** Periodically inspect the power cord, charging cables, and clamps for any damage. Do not use the charger if any part is damaged.

7. Troubleshooting

If you encounter issues with your Ferve F-2914 charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Charger does not turn on.	No power supply; faulty outlet; damaged power cord.	Check power connection; try a different outlet; inspect power cord for damage.
Battery not charging.	Incorrect battery connection; incorrect voltage selection; deeply discharged battery.	Ensure clamps are correctly connected (+ to +, - to -); verify voltage setting matches battery; some deeply discharged batteries may not be recoverable.
Digital display shows error.	Battery fault; short circuit; reverse polarity.	Disconnect and re-connect battery correctly; check battery condition; consult a professional if error persists.

8. Specifications

Technical details for the Ferve F-2914 Automatic Lead-Acid Battery Charger:

Feature	Detail
Manufacturer	FERVE, S.A.
Brand	FERVE
Model	F-2914
Product Weight	8.9 kg
Product Dimensions	29 x 24 x 17 cm
Output Voltage	12 Volts, 24 Volts
Rated Current	12 Amperes
Battery Capacity	35 to 140 Ah
Color	Red
GTIN	08412473129140



CARACTERÍSTICAS

TRADITIONAL W CHARGE	AUTOMATIC WoW CHARGE	FROM 8,5V AUTOMATIC	MANUAL AUTOMATIC	LIQ GEL AGM	
CHARGE RESTART	μ MICROPROCESSOR	RF	TEST	TEST	

F-2914 RF	230 V / 315 W 50/60 Hz	12 - 24 V	6 - 12 A	6 - 12 A	35 - 140 Ah	9,160 kg



Image displaying the Ferve F-2914 charger alongside its key technical characteristics and compatibility icons.

9. Warranty and Support

FERVE products are manufactured to high-quality standards. For warranty information, please refer to the documentation included with your purchase or contact your local dealer. For technical support or service inquiries, please visit the official FERVE website or contact their customer service department. Keep your proof of purchase for warranty claims.