

31V Charger

Generic 31V Charger Instruction Manual

For Laresar Elite 1, 3, 4, 5, S6, 7, 8 Cordless Vacuum Cleaners

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Generic 31V Replacement Power Adapter. This charger is specifically designed for Laresar Elite 1, 3, 4, 5, S6, 7, 8 cordless vacuum cleaners that utilize a 25.9V li-ion battery (model H015R).

Important Compatibility Note: This charger is **NOT** compatible with Laresar Elite 2, Ultra 7 cordless vacuums, or any vacuum requiring a 22.2V/29.6V li-ion battery or a 26.5V/36V charger. Please verify your vacuum's battery specifications before use.

Compatible Battery Type

Only compatible with
cordless vacuum with
25.2V / 25.9V 7 Cell
li-ion battery

NOT FOR vacuum with
21.6V / 22.2V / 29.6V
li-ion battery

Check the battery details on your battery label

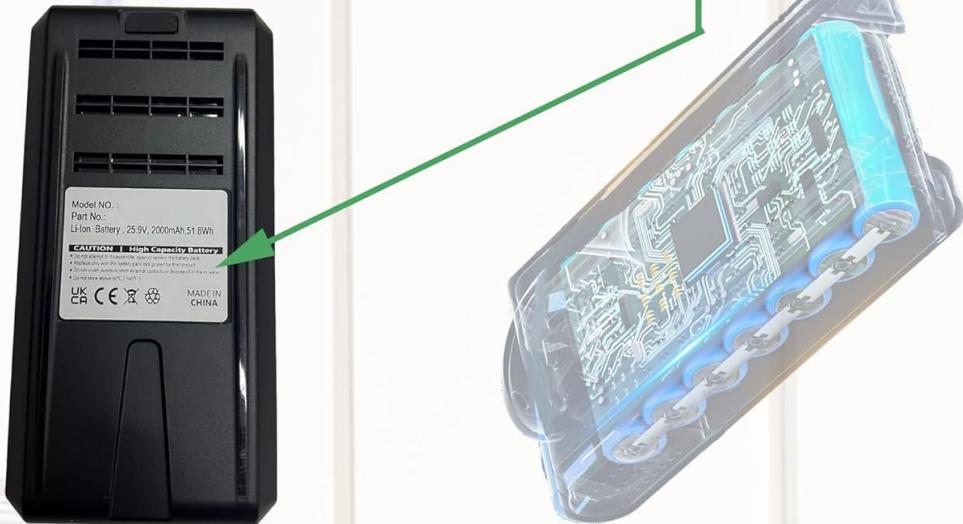


Figure 1: Compatible Battery Types. This image illustrates the specific battery types (25.2V / 25.9V 7 Cell li-ion battery) that are compatible with this charger, and explicitly lists incompatible types (21.6V / 22.2V / 29.6V li-ion battery). It also shows where to check the battery label for details.

2. SAFETY INFORMATION

Your charger is equipped with a built-in intelligent chip designed to provide multiple safety protections, ensuring safe operation and preventing damage to your device and the charger itself. These protections include:

- **Overcurrent Protection:** Prevents damage from excessive current flow.
- **Overvoltage Protection:** Safeguards against voltage surges.
- **Overcharge Protection:** Protects the battery from being overcharged.
- **Overheating Protection:** Prevents the charger from reaching unsafe temperatures during operation.
- **Short Circuit Protection:** Automatically shuts off power in case of a short circuit.
- **Overloading Protection:** Protects against excessive power draw.

The charger's PC+ABS shell is designed for durability, resisting impacts and enduring daily use. Its high-heat resistance further prevents overheating during fast charging cycles.

Safety Protection

Built-in intelligent chip provide multiple safety protection

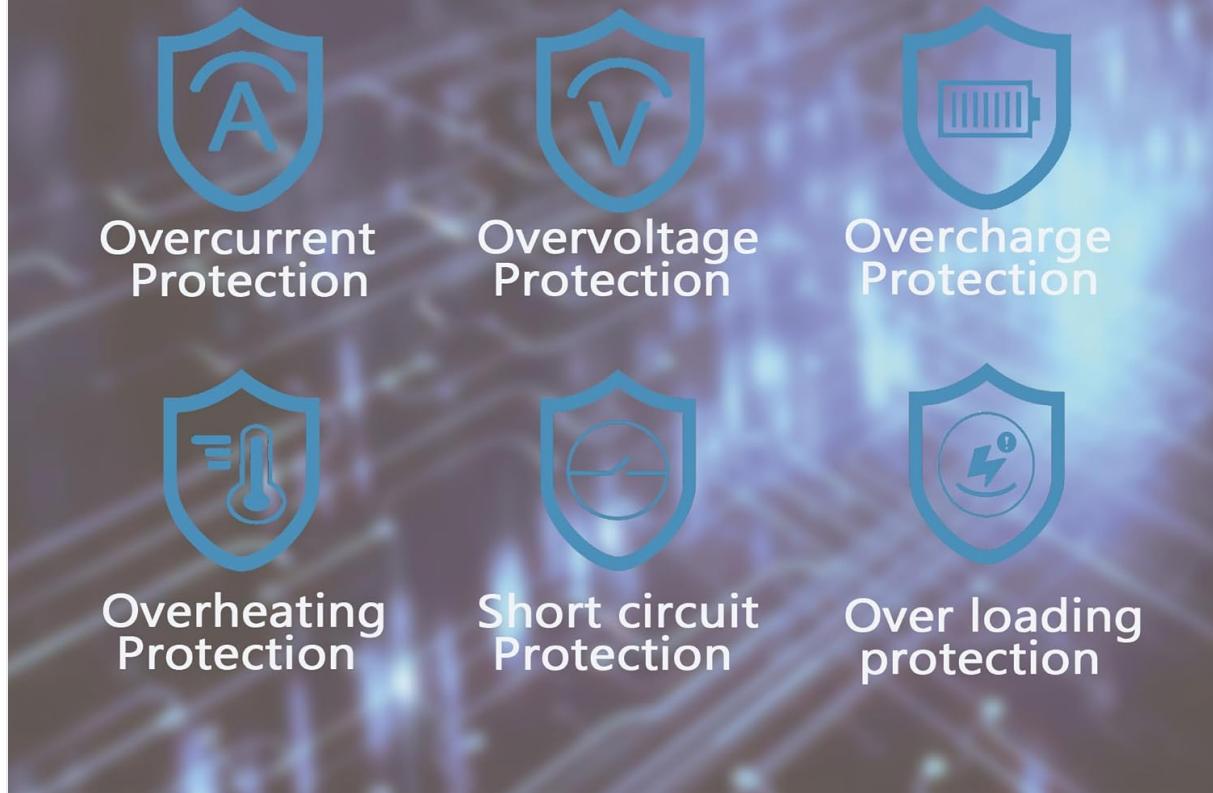


Figure 2: Safety Protection Features. This graphic displays the six key safety protections integrated into the charger: Overcurrent, Overvoltage, Overcharge, Overheating, Short Circuit, and Overloading Protection.

3. PRODUCT OVERVIEW

What's in the Box:

- 1 x AC/DC Adapter (31V Charger)

Key Features:

- **Input:** 100-240V, 50/60Hz (Universal AC input)
- **Output:** 31V
- **Wattage:** 15.5 watts
- **Charging Cord Length:** Approximately 5.9 feet (1.8 meters)
- **Connector Type:** Barrel Connector
- **Cable Construction:** Features a flexible PVC jacket and copper wire for durability and efficient power transfer.



Figure 3: 31V Power Adapter. A clear view of the replacement power adapter, highlighting its compact design.

Adapter Spec

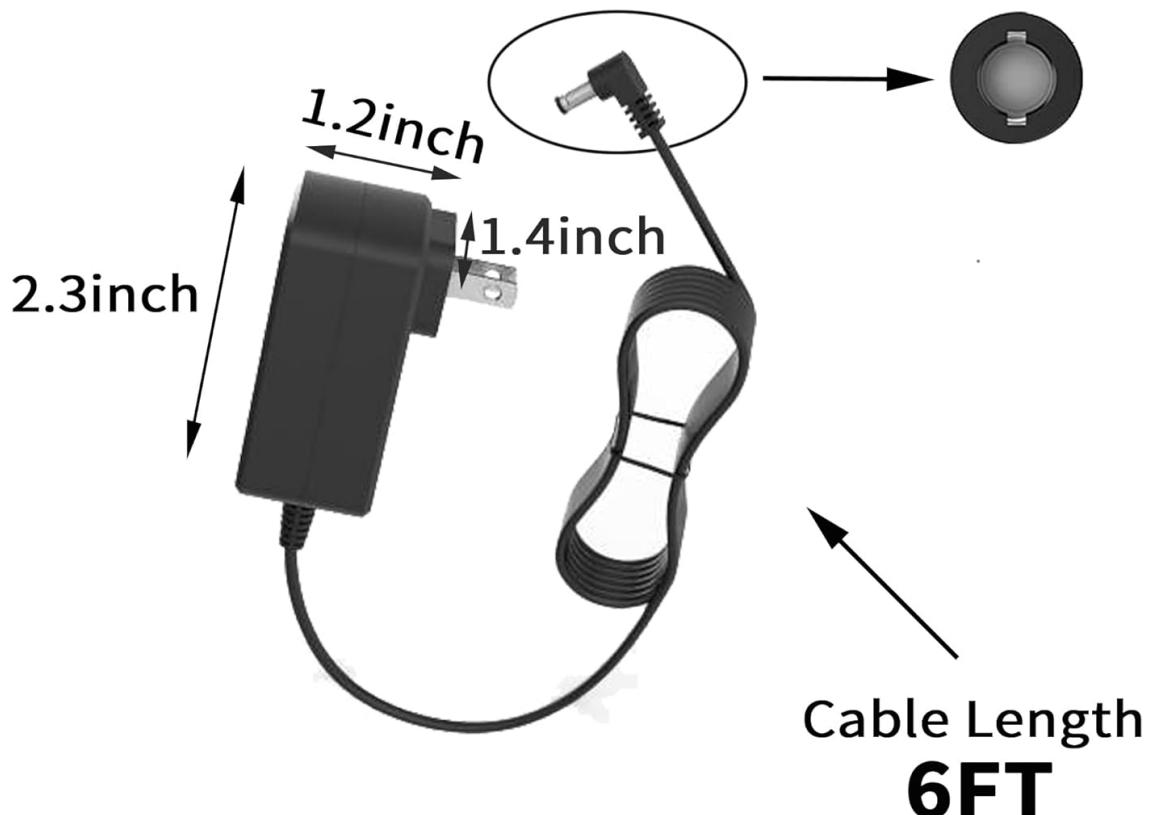


Figure 4: Adapter Specifications. This image details the physical dimensions of the adapter (2.3 inches height, 1.2 inches width) and the barrel connector size (1.4 inches), along with the 6-foot cable length.

Premium Cable

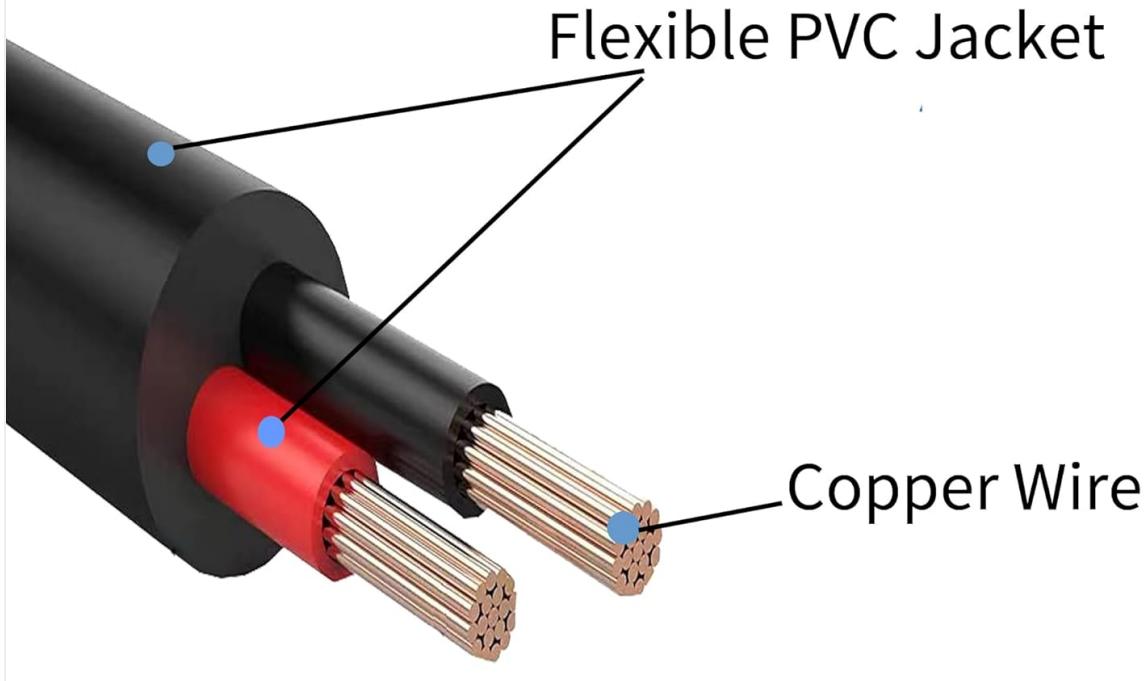


Figure 5: Premium Cable Construction. An illustration showing the internal structure of the charging cable, featuring a flexible PVC jacket and copper wire for enhanced durability and conductivity.

4. SETUP

- 1. Verify Compatibility:** Before connecting, ensure your vacuum cleaner is a Laresar Elite 1, 3, 4, 5, S6, 7, or 8 model and uses a 25.9V li-ion battery (H015R). Check the power specifications on your vacuum's battery label or original charger.
- 2. Connect to Vacuum:** Insert the barrel connector of the 31V charger into the charging port of your Laresar Elite cordless vacuum cleaner.
- 3. Connect to Power Outlet:** Plug the charger's AC plug into a standard 100-240V wall power outlet.
- 4. Confirm Power:** The vacuum cleaner or charger may have an indicator light to show that charging has begun. Refer to your vacuum's specific manual for details on charging indicators.

Power Spec

Compatible Output

31V 0.5A ✓

30V 0.8A ✓

You can check the power spec on your charger label

INCOMPATIBLE

36V 0.5A ✗

26V 0.5A ✗



Figure 6: Power Specification Check. This image advises users to check the power specifications on their existing charger label to ensure compatibility with 31V 0.5A or 30V 0.8A output, while explicitly showing incompatibility with 36V 0.5A and 26V 0.5A.

5. OPERATING INSTRUCTIONS

Once properly connected, the charger will begin to supply power to your vacuum cleaner's battery. The charging process is automatic, and the built-in safety features will manage the power delivery to prevent overcharging.

- Allow the vacuum to charge fully before its first use or after extended periods of non-use.
- Unplug the charger from the wall outlet and the vacuum cleaner once charging is complete or when the vacuum is not in use for prolonged periods.
- Avoid operating the vacuum cleaner while it is connected to the charger, unless specified by the vacuum's manufacturer.



Figure 7: Vacuum Charging. A visual representation of the cordless vacuum cleaner connected to the power adapter for charging in a home environment.

6. MAINTENANCE

- Keep the charger and its cable clean and free from dust and debris.
- Store the charger in a cool, dry place when not in use.
- Avoid bending or crimping the charging cable excessively, as this can damage the internal wires.
- Do not expose the charger to water or extreme temperatures.
- Regularly inspect the charger and cable for any signs of damage. Discontinue use if any damage is observed.

7. TROUBLESHOOTING

Vacuum Battery Not Holding Charge:

If your vacuum cleaner's battery is not holding a charge, it may not necessarily indicate a charger malfunction. Rechargeable batteries typically have a lifespan of 1-3 years and can naturally deplete over time.

- **Battery Depletion:** If the battery is old, its capacity to hold a charge will diminish. This is a natural process

and not a fault of the charger.

- **Diagnosis:** To accurately determine if the issue is with the battery or the charger, consider using a voltage tester. This can help identify if the problem is due to battery aging or a device failure.
- **Charger Check:** Ensure the charger is securely plugged into both the wall outlet and the vacuum. Check for any visible damage to the charger or cable.

8. SPECIFICATIONS

Feature	Detail
Input Voltage	100-240V AC, 50/60Hz
Output Voltage	31V
Wattage	15.5 watts
Charging Cord Length	5.9 feet (approx. 1.8 meters)
Connector Type	Barrel Connector
Compatible Devices	Laresar Elite 1, 3, 4, 5, S6, 7, 8 Cordless Vacuum Cleaners (with 25.9V li-ion battery H015R)
Shell Material	PC+ABS
Color	Black
Package Dimensions	3.9 x 2.5 x 1.6 inches
Item Weight	2.56 ounces
Special Feature	Short Circuit Protection, Overcurrent Protection, Overvoltage Protection, Overcharge Protection, Overheating Protection, Overloading Protection

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your original purchase or contact the seller directly. The manufacturer of this product is ChapeLi. It is recommended to retain your purchase receipt for any warranty claims.