Hanaix Hanaix 12V Lithium Battery Charger

Hanaix 12V Lithium Battery Charger
Instruction Manual

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Hanaix 12V Lithium Battery Charger. Please read these instructions thoroughly before use and retain them for future reference. This charger is designed to provide reliable power to compatible Ridgid 12V lithium-ion batteries.

SAFETY INSTRUCTIONS

To prevent electric shock, fire, or serious injury, always follow basic safety precautions when using electrical appliances. This charger is for indoor use only.

- **Read all instructions:** Familiarize yourself with the charger's operation and limitations.

- **Do not expose to rain or wet conditions:** Water entering the charger will increase the risk of electric shock.

- **Use only with specified batteries:** This charger is designed exclusively for Ridgid 12V lithium-ion batteries. Do not attempt to charge other battery types, especially Ni-MH/Ni-CD batteries, as this may cause personal injury and damage.

- **Avoid charging damaged batteries:** Do not charge batteries that are cracked, deformed, or show signs of leakage.

- **Ensure proper ventilation:** Do not cover the charger during operation.

- **Unplug when not in use:** Disconnect the charger from the power outlet when not in use or before cleaning.

- **Do not modify the charger:** Any modifications can result in electric shock, fire, or damage to the charger.

- **Keep out of reach of children:** This appliance is not intended for use by persons with reduced physical, sensory, or mental capabilities.

PRODUCT FEATURES

- **Input Voltage:** AC100-240V, suitable for global use.

- **Output Voltage:** 12V, specifically for 12V lithium-ion batteries.

- **Compatibility:** Designed for Ridgid 12V lithium-ion batteries, including models AC82008, AC82048, AC82049, AC82059, R82048, R82049, R82059, R86048, 130220001, 130188001, 130219001, 130446011, 130210004, 130446007, 13022000.

- **Compact Design:** Smaller and lighter than many original chargers, enhancing portability.

- **Quick Charging:** Supports fast charging, typically fully charging a battery in 1.5-3 hours depending on battery capacity.

- **Safety Certifications:** CE, FCC, and RoHS certified, featuring short circuit protection for enhanced battery safety.

- **Durable Construction:** Features high-quality nickel-plated steel material and environmental-friendly PC material.

High Quality Nickel-Plated Steel Material

Environmental-Friendly PC Material

Image: The charger's construction includes high-quality nickel-plated steel for contacts and environmental-friendly PC material for the casing.

SETUP

Follow these steps to set up your Hanaix 12V Lithium Battery Charger:

1. **Connect to Power:** Plug the charger's power cord into a standard AC100-240V wall outlet.
2. **Identify Battery Type:** Ensure your Ridgid 12V battery is a 'pod style' lithium-ion battery. This charger is not compatible with 'slide-in style' batteries.
3. **Insert Battery:** Align the Ridgid 12V lithium-ion battery with the charger's port and slide it in firmly until it clicks into place.

Image: This charger is designed for 'pod style' Ridgid 12V batteries (indicated by a green checkmark) and is not suitable for 'slide-in style' batteries (indicated by a red 'X').

Image: The Hanaix 12V Lithium Battery Charger unit, showing the power input and the battery charging port.

OPERATING INSTRUCTIONS

Once the battery is correctly inserted and the charger is connected to power, the charging process will begin automatically.

LED Indicator Status:

- **Red Light:** Indicates the battery is currently charging.

- **Green Light:** Indicates the battery is fully charged or no battery is connected (no load).
- **Flashing Red Light (after initial red):** If the light turns red and then flashes at approximately 2Hz after a short period, it indicates a bad or faulty battery.

LED indicator
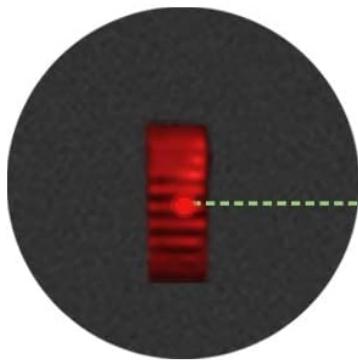
Red: Charging
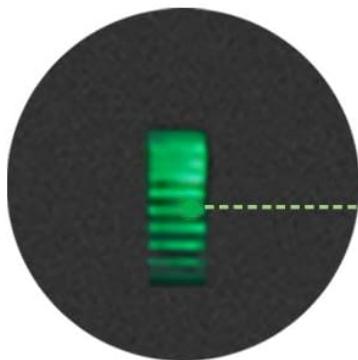
Green: Full Charged or No Load
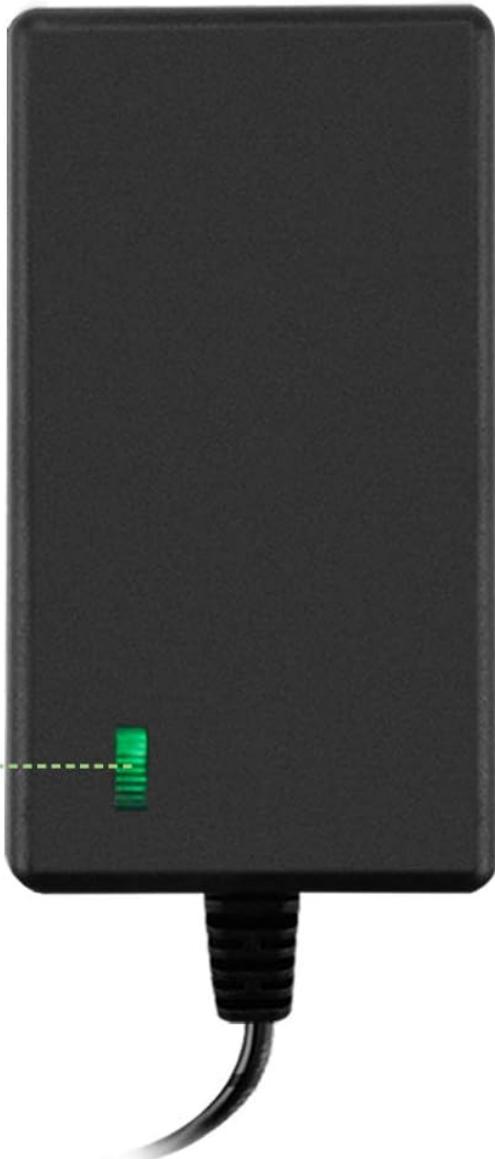
Image: Visual representation of the charger's LED indicator. A red light signifies charging, while a green light indicates a full charge or that no battery is connected.

Charging time typically ranges from 1.5 to 3 hours, depending on the capacity and discharge level of your battery.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your charger.

- **Cleaning:** Disconnect the charger from the power outlet before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a dry, cool place away from direct sunlight and moisture. When not in use, unplug it from the power source.
- **Inspect Cords:** Regularly check the power cord for any signs of damage. If damaged, do not use the charger and seek professional repair or replacement.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charger LED does not light up.	No power to the charger, or charger is faulty.	Check if the power cord is securely plugged into both the charger and the wall outlet. Test the outlet with another device. If still no light, the charger may be faulty.
Charger shows red light, then flashes red.	Battery is faulty or severely discharged.	Remove the battery and reinsert it. If the issue persists, the battery may be damaged and require replacement.
Battery does not charge fully.	Battery capacity degradation or charger issue.	Ensure the battery is fully seated. Allow the full charging cycle (1.5-3 hours). If the problem continues, the battery may be nearing the end of its lifespan.
Charger gets warm during charging.	Normal operation.	It is normal for the charger to become warm during use. Ensure adequate ventilation and do not cover the charger. If it becomes excessively hot or emits smoke/odor, unplug immediately.

SPECIFICATIONS

- **Product Type:** Replacement Battery Charger
- **Input:** AC 100V-240V, 50/60Hz
- **Output:** 10.8V-12V, 1A
- **Compatible Battery Type:** Ridgid 12V Lithium-Ion (Li-ion) batteries only
- **Compatible Ridgid 12V Battery Models:**

  - AC82008
  - AC82048
  - AC82049
  - AC82059
  - R82048
  - R82049
  - R82059
  - R86048
  - 130188001
  - 130219001
  - 130446011

- 130210004
- 130446007
- 13022000
- 130220001

- **Dimensions:** Approximately 6.97 x 4.69 x 2.32 inches (Package Dimensions)

- **Item Weight:** Approximately 8.4 ounces (0.24 Kilograms)

- **Certifications:** CE, FCC, RoHS

Image: A detailed view of the Hanaix charger, with key product specifications such as input, output, and compatible battery type highlighted.

Compatible with Ridgid

12V Lithium-Ion AC82008 AC82048 AC82049 AC82059 R82048 R82049 R82059 R86048 130188001 130219001 130446011 130210004 130446007 13022000

Image: A list of compatible Ridgid 12V Lithium-Ion battery models that can be charged with this unit.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the retailer's return policy or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.