

ACTIV ENERGY SN 190102/181066_SML

ACTIV ENERGY Universal Battery Charger for Ferrex 20V/40V Cordless Tools

Model: SN 190102/181066_SML

INTRODUCTION

Thank you for choosing the ACTIV ENERGY Universal Battery Charger. This charger is designed to provide efficient and reliable charging for your Ferrex 20V and 40V Lithium-ion batteries, used with various cordless power and garden tools. Please read this instruction manual carefully before first use to ensure safe operation and optimal performance of your charger.

SAFETY INSTRUCTIONS

Always observe the following safety precautions to reduce the risk of electric shock, fire, or serious injury.

- **Read all instructions:** Before using the charger, read all instructions and cautionary markings on the charger, battery, and product using the battery.
- **Indoor use only:** This charger is designed for indoor use only. Do not expose it to rain or wet conditions.
- **Proper voltage:** Ensure the power supply voltage matches the voltage specified on the charger's rating plate (220 Volts).
- **Compatible batteries:** Only charge Ferrex 20V and 40V Lithium-ion batteries. Charging other types of batteries may cause personal injury and damage.
- **Avoid damage:** Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged. Take it to an authorized service center.
- **Ventilation:** Ensure adequate ventilation during charging. Do not cover the charger.
- **Unplug when not in use:** Always unplug the charger from the power outlet when not in use or before cleaning.
- **Children and unauthorized persons:** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- **Do not short-circuit:** Never short-circuit the battery terminals.
- **Temperature:** Do not charge batteries in extremely hot or cold environments. The optimal charging temperature range is between 10°C and 40°C (50°F and 104°F).

PRODUCT OVERVIEW

The ACTIV ENERGY Universal Battery Charger is a compact and efficient unit designed for ease of use. It features clear indicator lights to show the charging status.



Image 1: The ACTIV ENERGY Universal Battery Charger shown in its retail box. The charger is black with a slot for the battery and several indicator lights. The packaging highlights compatibility with 20V and 40V batteries and a 4.0 A charging current.

Indicator Lights:

- **POWER ON/FULL (Green):** Indicates the charger is connected to power and ready, or the battery is fully charged.
- **CHARGING (Red/Orange):** Indicates the battery is currently being charged.
- **FAILURE (Red blinking):** Indicates an error during charging. Refer to the Troubleshooting section.
- **HIGH/LOW TEMPERATURE (Red):** Indicates the battery temperature is outside the optimal charging range. Charging will resume automatically once the temperature stabilizes.

SETUP

1. **Unpack:** Carefully remove the charger from its packaging. Inspect it for any signs of damage.
2. **Placement:** Place the charger on a stable, flat, non-flammable surface in a well-ventilated area. Ensure there is sufficient space around the charger for heat dissipation.
3. **Power Connection:** Plug the charger's power cord into a standard 220V AC electrical outlet. The "POWER ON/FULL" indicator light should illuminate green, indicating the charger is ready.

OPERATING INSTRUCTIONS

Charging a Battery:

1. **Insert Battery:** Slide a Ferrex 20V or 40V Lithium-ion battery into the charging slot on the charger. Ensure it clicks securely into place.
2. **Monitor Indicators:**
 - The "CHARGING" indicator light will illuminate (typically red or orange) to show that charging has begun.
 - The "POWER ON/FULL" light will remain green.
3. **Charging Time:** A fully discharged 20V or 40V battery typically takes approximately 45 minutes to fully charge. Actual charging time may vary depending on the battery's charge level and ambient temperature.
4. **Charging Complete:** Once the battery is fully charged, the "CHARGING" indicator light will turn off, and the "POWER ON/FULL" light will remain green.
5. **Remove Battery:** Press the release button (if present) on the battery and slide it out of the charger.
6. **Unplug Charger:** For energy saving and safety, unplug the charger from the power outlet when not in use.

Note: The charger is equipped with protection features. If the battery is too hot or too cold, the "HIGH/LOW TEMPERATURE" indicator will light up, and charging will pause until the battery reaches an optimal temperature. If a fault is detected, the "FAILURE" indicator will light up.

MAINTENANCE

- **Cleaning:** Disconnect the charger from the power supply before cleaning. Use a soft, dry cloth to wipe the exterior of the charger. Do not use water or chemical cleaners.
- **Storage:** Store the charger in a dry, cool place, away from direct sunlight and moisture. Keep it out of reach of children.
- **Inspection:** Regularly inspect the charger's cord and housing for any signs of damage. If damage is found, do not use the charger and have it inspected by a qualified technician.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger not powering on (no green light).	No power from outlet; loose connection; faulty charger.	Check power outlet with another appliance. Ensure power cord is securely plugged in. If problem persists, charger may be faulty.
Battery not charging (no red/orange light).	Battery not properly inserted; battery too hot/cold; faulty battery.	Ensure battery is fully seated. Allow battery to reach optimal temperature (10-40°C). Try charging a different, known-good battery.

Problem	Possible Cause	Solution
"FAILURE" indicator light is blinking.	Battery fault; charger fault.	Remove and re-insert the battery. Try charging a different battery. If the issue persists with multiple batteries, the charger may be faulty.
"HIGH/LOW TEMPERATURE" indicator light is on.	Battery temperature is outside optimal charging range.	Move the battery and charger to an environment with an ambient temperature between 10°C and 40°C (50°F and 104°F). Charging will resume automatically once the temperature is suitable.

SPECIFICATIONS

Model Number: SN 190102/181066_SML

Input Voltage: 220 Volts AC

Output Voltage: 21 Volts DC

Charging Current: 4 A

Compatible Batteries: Ferrex 20V and 40V Lithium-ion

Approximate Charging Time (4.0Ah battery): 45 minutes

Dimensions (P x L x H): 6 x 12 x 17 cm (2.36 x 4.72 x 6.69 inches)

Material: Plastic

Certifications: CE, RoHS

Number of Ports: 1

WARRANTY AND SUPPORT

For information regarding warranty coverage, returns, or technical support, please refer to the documentation included with your purchase or contact ACTIV ENERGY customer service directly. Keep your proof of purchase for warranty claims. You can often find contact details on the product packaging or the official ACTIV ENERGY website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question