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› ACTIV ENERGY 20V 2.0Ah 36Wh Lithium-Ion Battery User Manual

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ACTIV ENERGY 20V 2.0Ah 36Wh Lithium-Ion Battery User Manual

1. INTRODUCTION

This user manual provides essential information for the safe and efficient use of the ACTIV ENERGY 20 Volt 2.0 Ah 36 Wh Lithium-Ion Battery, compatible with Ferrex cordless tools and garden equipment. Please read this manual thoroughly before first use and keep it for future reference.

Key Features

- Active Energy 20 V Lithium-Ion, 2.0 Ah, 36 Wh.
- Maximum Power: 20 V.
- Capacity: 2.0 Ah / 36 Wh.
- Equipped with a battery charge indicator.
- Suitable for Ferrex cordless tools and garden equipment.



Image 1.1: The ACTIV ENERGY 20V 2.0Ah 36Wh Lithium-Ion Battery.

2. SAFETY INFORMATION

Always observe the following safety precautions when using, charging, or storing the battery:

- **Read all instructions:** Familiarize yourself with the tool and battery instructions before use.
- **Use only with compatible tools and chargers:** This battery is designed for Ferrex 20V cordless tools and ACTIV ENERGY chargers. Using incompatible equipment may result in fire, electric shock, or injury.
- **Do not short-circuit:** Avoid contact between the battery terminals and metal objects.
- **Do not expose to extreme conditions:** Keep the battery away from water, moisture, direct sunlight, and extreme temperatures (above 50°C or below 0°C).
- **Do not open or modify:** Never attempt to open, disassemble, or modify the battery pack.
- **Proper disposal:** Dispose of batteries responsibly according to local regulations. Do not dispose of in household waste or fire.

- **Keep away from children:** Store the battery in a secure location out of reach of children.
- **Inspect for damage:** Do not use a damaged or modified battery. If the battery is damaged, contact customer support.

3. SETUP

Inserting the Battery into a Tool

To power your Ferrex 20V cordless tool, insert the ACTIV ENERGY battery as follows:

1. Ensure the tool is switched off and disconnected from any power source.
2. Align the battery with the battery slot on the tool.
3. Slide the battery firmly into the slot until it clicks into place. Ensure it is securely latched.

Video 3.1: Demonstration of inserting the battery into a compatible hedge trimmer.

Removing the Battery from a Tool

To remove the battery from your tool:

1. Ensure the tool is switched off.
2. Locate the battery release button (usually on the battery or tool).
3. Press and hold the release button, then slide the battery out of the tool.

4. CHARGING THE BATTERY

The ACTIV ENERGY 20V 2.0Ah 36Wh Lithium-Ion Battery must be charged using a compatible ACTIV ENERGY charger (not included with the battery). Always ensure the charger is in good condition before use.

Charging Procedure

1. Connect the charger to a suitable power outlet. The charger's 'Power On/Full' indicator light should illuminate (often green).
2. Align the battery with the charging slot on the charger.
3. Slide the battery onto the charger until it is fully seated. The 'Charging' indicator light (often red or amber) on the charger should illuminate, indicating that charging has begun.
4. Once the battery is fully charged, the 'Charging' indicator will typically change to green or turn off, and the 'Power On/Full' indicator will remain green.
5. Disconnect the charger from the power outlet and remove the battery.

Video 4.1: Demonstration of connecting the charger and charging the battery.

5. OPERATING THE BATTERY

Battery Charge Indicator

The battery features an integrated charge indicator. Press the button on the battery to view the current charge level. Typically, multiple illuminated LEDs indicate a higher charge, while fewer or flashing LEDs indicate a low charge or a need for charging.

General Usage Tips

- **Optimal Performance:** For best results, allow the battery to cool down before charging if it has been heavily used.
- **Avoid Deep Discharge:** Do not allow the battery to completely discharge, as this can reduce its lifespan. Recharge when the power significantly drops.
- **Temperature:** Operate and charge the battery within recommended temperature ranges (typically 0°C to 40°C) to ensure safety and longevity.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your ACTIV ENERGY battery:

- **Cleaning:** Keep the battery terminals clean and free from dirt or debris. Use a dry cloth to wipe the battery. Do not use liquids or solvents.
- **Storage:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. For long-term storage, charge the battery to approximately 50-70% capacity.
- **Regular Checks:** Periodically inspect the battery for any signs of damage, such as cracks, swelling, or corrosion. Do not use a damaged battery.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; faulty charger; battery too hot/cold; damaged battery.	Check power connection; try another outlet; allow battery to reach room temperature; inspect charger and battery for damage.
Battery not powering tool	Battery not fully charged; battery not properly inserted; tool malfunction; damaged battery.	Charge battery fully; ensure battery is securely latched; test battery with another compatible tool; inspect battery for damage.
Reduced run time	Battery not fully charged; battery aging; extreme operating conditions.	Ensure full charge; consider battery replacement if significantly aged; operate within recommended temperature ranges.

If the problem persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Specification	Value
Brand	ACTIV ENERGY
Model Number	1
Voltage	20 Volt

Specification	Value
Capacity	2.0 Ampere/hours (36 Wh)
Cell Composition	Lithium-Ion
Item Weight	440 g
Package Dimensions	14 x 8.5 x 5.5 cm
First Available Date	10 August 2019

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation provided with your original purchase or contact the retailer/manufacturer directly. Keep your proof of purchase for warranty claims.

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.

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

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