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Fuxtec EP20

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Model: EP20

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and efficient use of your FUXTEC EP20 40V 2Ah Lithium-Ion Battery. This battery features advanced Samsung technology, offering long runtime, fast charging capabilities, and no memory effect. It is designed for universal compatibility with all FUXTEC 40V cordless power tools.



Image 1: FUXTEC EP20 40V 2Ah Lithium-Ion Battery. This image shows the compact design of the FUXTEC EP20 battery pack.

2. SAFETY INSTRUCTIONS

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

- **Do not disassemble, open, or shred the battery pack.**
- **Do not expose the battery to heat or fire.** Avoid storage in direct sunlight.
- **Do not short-circuit a battery pack.** Do not store battery packs indiscriminately in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- **Do not expose the battery to mechanical shock.**
- **In case of battery leakage,** do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- **Keep battery packs clean and dry.** If they become dirty, wipe them with a clean, dry cloth.
- **Do not use any charger other than that specifically provided for use with the equipment.**
- **Observe polarity markings** on the battery and equipment.
- **Dispose of battery packs properly** at designated collection points.

The FUXTEC EP20 battery is equipped with **Electronic Cell Protection (ECP)** to safeguard against overcharge, overheating, and total discharge, and **Intelligent Energy Management (IRS)** for optimal performance of the Samsung battery cells.

3. PRODUCT FEATURES

- **Universal Compatibility:** All FUXTEC 40V batteries are compatible with all FUXTEC 40V cordless tools.
- **Electronic Cell Protection (ECP):** Protects the battery from overcharging, overheating, and deep discharge, extending battery life.
- **Intelligent Energy Management (IRS):** Ensures optimal energy output from the high-performance Samsung battery cells.
- **Lithium-Ion Technology:** Provides consistent power output and suffers from no memory effect, allowing charging at any time without reducing overall battery life.
- **Low Self-Discharge:** Maintains charge during long periods of non-use, ensuring the battery is ready when you need it.
- **High Capacity:** 2 Ah capacity at 40V for extended runtime.
- **Lightweight Design:** Weighs approximately 0.9 kg for comfortable handling.

4. SETUP: CHARGING THE BATTERY

The FUXTEC EP20 battery is supplied partially charged. For optimal performance and battery life, fully charge the battery before its first use.

1. **Ensure you have the appropriate FUXTEC 40V charger.** The charger is not included with the battery and must be purchased separately.
2. **Connect the charger to a suitable power outlet.**
3. **Insert the FUXTEC EP20 battery into the charger.** Ensure it clicks securely into place.
4. **Observe the charger's indicator lights.** These lights will typically show the charging status (e.g., charging, fully charged, error). Refer to your charger's manual for specific light indications.
5. **Once fully charged, remove the battery from the charger.**

Charging time will vary depending on the charger model and the battery's current charge level.

5. OPERATING THE BATTERY

The FUXTEC EP20 battery is designed for easy integration with all FUXTEC 40V cordless tools.



Image 2: FUXTEC 40V battery powering a hedge trimmer. This image illustrates a FUXTEC 40V battery inserted into a compatible FUXTEC cordless tool.

5.1. Inserting the Battery

1. **Ensure the tool is switched off** and any moving parts have come to a complete stop.
2. **Align the battery with the battery compartment** on your FUXTEC 40V tool.
3. **Slide the battery into the compartment** until it clicks firmly into place. A secure click indicates proper installation.
4. **Gently pull on the battery** to ensure it is locked and will not accidentally detach during operation.

5.2. Removing the Battery

1. **Switch off the tool** and wait for all moving parts to stop.
2. **Locate the battery release button(s)** on the tool or battery.
3. **Press and hold the release button(s)** while sliding the battery out of the compartment.
4. **Store the battery safely** as described in the Maintenance section.

6. MAINTENANCE

6.1. Storage

- Store the battery in a cool, dry place, away from direct sunlight and moisture.
- For long-term storage, it is recommended to store the battery with a partial charge (around 50%). Avoid storing fully charged or completely discharged batteries for extended periods.
- Keep the battery away from children and pets.

6.2. Cleaning

- Wipe the battery casing with a clean, dry cloth.
- Do not use water, solvents, or abrasive cleaners on the battery.
- Ensure the battery terminals are clean and free from debris to maintain good electrical contact.

6.3. Disposal

Lithium-ion batteries must be disposed of responsibly. Do not dispose of batteries in household waste. Contact your local waste management authority or recycling center for information on proper disposal and recycling of lithium-ion batteries.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging	Charger not connected to power; faulty charger; battery not properly inserted; battery too hot/cold.	Check power connection; try a different outlet; ensure battery is fully seated in charger; allow battery to reach room temperature. If problem persists, charger may be faulty.
Tool not operating with battery	Battery not fully charged; battery not properly inserted; tool malfunction.	Ensure battery is fully charged; re-insert battery firmly; test battery with another compatible FUXTEC 40V tool if available. If problem persists, the tool may require service.
Battery overheating during use or charging	Heavy load on tool; environmental temperature too high; internal battery issue.	Stop use immediately and allow battery to cool down in a well-ventilated area. Avoid using in extreme heat. If overheating is frequent, discontinue use and contact support.

8. SPECIFICATIONS

Specification	Value
Model Number	EP20
Battery Type	Lithium-Ion
Voltage	40 V
Capacity	2 Ah
Energy	80 Wh
Weight	0.9 kg
Manufacturer	FUXTEC
Reusability	Rechargeable
International Article Code (EAN)	06945372101167

9. WARRANTY AND SUPPORT

FUXTEC products are designed and manufactured to high-quality standards. For specific warranty information regarding your EP20 battery, please refer to the warranty card included with your purchase or visit the official FUXTEC website. FUXTEC ensures a long-term supply of spare parts for its products. For technical assistance, troubleshooting beyond this manual, or to inquire about spare parts, please contact FUXTEC customer service directly. Contact details can typically be found on the FUXTEC website or product packaging.

FUXTEC Official Website: www.fuxtec.de (Note: This link is an example, please refer to the official FUXTEC website for your region.)

