

Efest LUSH Q4

Efest LUSH Q4 Intelligent LED Battery Charger User Manual

Model: LUSH Q4

INTRODUCTION

The Efest LUSH Q4 is an advanced four-bay intelligent LED battery charger designed for efficient and safe charging of various Li-ion batteries. It features independent battery slot monitoring, ensuring optimal charging for each battery inserted. This manual provides essential information for the safe and effective operation of your LUSH Q4 charger.

Key features include:

- Three charging modes: 2.0A, 1.0A, and 0.5A.
- Automatic stop when fully charged and auto-recharge when voltage drops below 4.05V.
- Multiple protection mechanisms: over-discharging, over-voltage, short-circuit, and reverse polarity protection.
- Ability to activate batteries at or over 0.6V.
- Independent monitoring for each battery slot.

PACKAGE CONTENTS

Please verify that all items are present in the package:

- Efest LUSH Q4 Charger Body
- AC Adapter
- Operation Manual (this document)
- Warranty Card



Image: The Efest LUSH Q4 charger, its AC power adapter, and the product packaging, illustrating the complete contents of the retail package.

Safety Information

To ensure safe operation and prevent damage, please read and adhere to the following safety precautions:

- Use the charger only with compatible battery types (3.6V / 3.7V Li-ion/IMR batteries). Refer to the "Compatible Batteries" section for a detailed list.
- Do not attempt to charge non-rechargeable batteries.
- Do not disassemble, modify, or repair the charger.
- Keep the charger away from water, moisture, and high temperatures.
- Ensure proper ventilation during charging. Do not cover the charger.
- Unplug the charger from the power outlet when not in use or before cleaning.
- Keep out of reach of children.
- If any abnormal conditions occur (e.g., smoke, unusual smell, excessive heat), immediately unplug the charger and discontinue use.

Setup

1. **Unpack the Charger:** Carefully remove the Efest LUSH Q4 charger and its AC adapter from the packaging.
2. **Connect Power:** Insert the AC adapter cable into the input port on the side of the LUSH Q4 charger. Then, plug the AC adapter into a standard wall outlet (AC 100-240V, 50/60Hz).



Image: Side view of the Efest LUSH Q4 charger, highlighting the AC power input port and ventilation grilles.

3. **Initial Indicator Check:** Upon connecting to power, the LED indicators above each slot should briefly illuminate, indicating the charger is ready for use.

OPERATING INSTRUCTIONS

Compatible Batteries

The Efest LUSH Q4 charger is compatible with 3.6V / 3.7V Li-ion/IMN batteries, including but not limited to:

- 10440, 14430, 14500, 14650
- 16340, 16500, 17335, 17650, 17670
- 18500, 18650, 20700, 22650
- 26500, 26650

COMPATIBLE WITH 3.6V/3.7V LIMN/LI-ION BATTERIES:

10440 14430 14500 14650 16340 16500 17335 17650 17670
18500 18650 20700 22650 26500 26650 etc



Image: The Efest LUSH Q4 charger with four purple 18650 batteries inserted, demonstrating the charger's compatibility with common Li-ion battery sizes.

Inserting Batteries

To insert a battery:

1. Identify the positive (+) and negative (-) terminals on both the battery and the charger slot.

2. Carefully align the battery according to the polarity markings. The charger's inner springs are designed for smooth insertion and removal.
3. Gently push the battery into the slot until it is securely seated. The charger will automatically detect the battery and begin charging.



Image: A top-down view of the Efest LUSH Q4 charger with four purple 18650 batteries fully inserted into their respective charging slots. The blue LED indicators above each slot are illuminated, signifying active charging.

Charging Process and Indicators

The LUSH Q4 features intelligent charging with LED indicators for each slot:

- When a battery is inserted and charging, the corresponding LED indicator will illuminate (typically blue or white, depending on the model's specific LED color).
- The charger automatically selects the optimal charging current (2.0A, 1.0A, or 0.5A) based on the battery's state and capacity.
- Once the battery is fully charged, the LED indicator for that slot will change color (e.g., from blue to white, or turn off) or stop blinking, indicating charging is complete.
- The charger will automatically stop charging when the battery is full and will auto-recharge if the battery voltage drops below 4.05V.

FEATURES

- Three charging modes: 2.0A 1.0A 0.5A
- Auto-stop when fully charged & auto-recharge when voltage lower than 4.05V
- 4 kinds of protection over-discharging, over-voltage, short-circuit and reverse polarity protection.
- The batteries at or over 0.6V can be activated by Q4 charger
- Battery slot monitors independently



Image: A graphic illustrating the key features of the Efest LUSH Q4 charger, including its three charging modes, auto-stop/auto-recharge function, multiple protection types, battery activation capability, and independent slot monitoring.

Battery Activation

The LUSH Q4 charger can activate batteries that have been over-discharged, provided their voltage is at or above 0.6V. Simply insert the battery into a slot, and the charger will attempt to activate it before commencing regular charging.

MAINTENANCE

- **Cleaning:** Disconnect the charger from power before cleaning. Use a soft, dry cloth to wipe the surface of the charger. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Spring Mechanism:** The inner springs are made of piano wire for durability. Avoid excessive force when inserting or removing batteries to maintain their smooth operation.



HIGH QUALITY

- Spring made by piano wire, it provides a smooth sliding action when installing and removing batteries.
- Steel cathode with low resistance and hard chromium plating processing to achieve a more precise charging voltage.
- 15,000+ times spring testing quality warranty

Image: A detailed view of the Efest LUSH Q4 charger's internal components, emphasizing the high-quality piano wire springs and steel cathode design for precise charging and durability.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger not powering on.	No power connection; faulty adapter; power outlet issue.	Ensure AC adapter is securely plugged into both the charger and a working wall outlet. Try a different outlet.
Battery not charging / LED not illuminating.	Incorrect battery insertion (polarity); incompatible battery type; battery too low (below 0.6V); faulty battery.	Re-insert battery, ensuring correct polarity. Verify battery type is compatible. If battery is below 0.6V, it cannot be activated. Try a different battery.
Charger or battery becomes excessively hot.	Poor ventilation; faulty battery; internal charger issue.	Immediately unplug the charger. Ensure adequate ventilation around the charger. Do not use the battery or charger if overheating persists. Contact support.
LED indicator remains on after battery removal.	Minor electrical residue; temporary software glitch.	Unplug the charger from the wall outlet for 30 seconds, then plug it back in.

SPECIFICATIONS

Feature	Detail
Model	LUSH Q4
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	3.6 Volts
Charging Modes	2.0A, 1.0A, 0.5A
Compatible Battery Types	3.6V / 3.7V Li-ion/IMN (e.g., 10440, 14500, 16340, 18650, 20700, 26650)
Material	ABS
Item Weight	50 g
Dimensions (Parcel)	17.5 x 14.81 x 5 cm
Manufacturer	Efest
UPC	696302577861

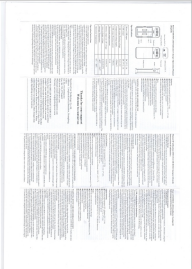



WARRANTY AND SUPPORT

The Efest LUSH Q4 charger comes with a warranty. Please refer to the included Warranty Card in your package for specific terms, conditions, and duration of the warranty.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact Efest customer service through their official website or the retailer from whom you purchased the product. Keep your proof of purchase and warranty card handy.

Note: The warranty typically covers manufacturing defects. Damage caused by misuse, unauthorized modification, or failure to follow instructions in this manual may void the warranty.

Related Documents - LUSH Q4

	<p>Efest LUSH BOX LED Indicator Charger Operation Manual</p> <p>This manual provides operation instructions, specifications, features, and warnings for the Efest LUSH BOX LED Indicator Charger. It covers charging and output functions, compatibility with 18650 batteries, and safety precautions.</p>
	<p>Lovense Lush Personal Massager User Guide and Specifications</p> <p>Discover the Lovense Lush, a remote-controlled personal massager. This guide covers charging, operation, cleaning, app connectivity, specifications, and important safety warnings for the Lovense Lush device.</p>
	<p>EFEST L3EFT-LUSHQ8 Component: Technical Specifications and User Guide</p> <p>Detailed technical specifications, operation guidance, and safety precautions for the EFEST L3EFT-LUSHQ8 electronic component. Includes pinout, communication protocol, and troubleshooting information.</p>
	<p>EFEST L3EFT-PROC4 Component Manual and Specifications</p> <p>Comprehensive manual detailing the technical specifications, features, and usage guidelines for the EFEST L3EFT-PROC4 electronic component.</p>
	<p>EFEST L3EFT-LUCV2 Radio Component User Manual</p> <p>Detailed user manual for the EFEST L3EFT-LUCV2 radio component, covering specifications, installation, operation, and troubleshooting. Learn how to effectively use and maintain your EFEST device.</p>
	<p>EFEST SLIM K2 USB Battery Charger User Manual</p> <p>Comprehensive user manual for the EFEST SLIM K2 USB battery charger. Learn about its features, specifications, operation, and safety guidelines for charging lithium-ion batteries.</p>

