

Tiiyee SZYB-16810

Tiiyee 16.8V 1A Li-ion Battery Charger (Model SZYB-16810) User Manual

Brand: Tiiyee | Model: SZYB-16810

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your Tiiyee 16.8V 1A Li-ion Battery Charger. Please read this manual thoroughly before operating the device and retain it for future reference.

This power adapter is designed to charge 4-string Lithium Battery Packs (14.4V, 14.8V, 16.8V) and other compatible devices requiring a 16.8V DC output with a 5.5x2.5mm (or 5.5x2.1mm) barrel connector. It supports a universal AC input voltage range of 100-240V.

2. SAFETY INFORMATION

- **Compatibility:** Ensure the charger's output voltage (16.8V) and connector size (5.5x2.5mm / 5.5x2.1mm) match your device's requirements. Incorrect voltage or connector size can damage your device.
- **Indoor Use Only:** This adapter is not waterproof. Avoid exposure to water, moisture, or high humidity.
- **Ventilation:** Do not cover the charger during operation. Ensure adequate ventilation to prevent overheating.
- **Damage Inspection:** Before each use, inspect the charger and cable for any signs of damage. Do not use if damaged.
- **Children and Pets:** Keep the charger out of reach of children and pets.
- **Disassembly:** Do not attempt to disassemble or modify the charger. This will void the warranty and may cause electric shock or fire.
- **Power Source:** Connect the charger only to a properly grounded power outlet within the specified AC100-240V range.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Universal Input Voltage:** AC 100-240V, suitable for worldwide use.
- **Stable Output:** DC 16.8V \pm 0.1V, 1A.
- **Broad Compatibility:** Designed for 14.4V, 14.8V, 16.8V 4-string Lithium Battery Packs.
- **Multiple Protection Modes:** Includes over-current protection, over-discharge protection, over-voltage protection, overcharge protection, and short circuit protection.
- **Standard DC Interface:** 5.5 x 2.5mm (also compatible with 5.5 x 2.1mm).
- **Durable Construction:** Features nickel plating insert for good oxidation resistance and pure copper wire core for stable transmission.

3.2 Product Components



Figure 1: Front view of the Tiiyee 16.8V 1A Li-ion Battery Charger (Model SZYB-16810), showing input/output specifications and safety marks.



Figure 2: The charger with its DC output cable, illustrating its built-in protection features.

The charger consists of a main adapter unit with an integrated AC plug and a DC output cable terminating in a barrel connector.

4. SETUP

4.1 Connecting the Charger

1. Verify that your device requires a 16.8V DC input and has a compatible 5.5x2.5mm (or 5.5x2.1mm) DC input port.
2. Insert the DC barrel connector of the charger into the charging port of your device.
3. Plug the AC plug of the charger into a standard wall outlet (AC 100-240V).



Figure 3: The Tiiye charger with a US plug, ready for connection.

5. OPERATING INSTRUCTIONS

5.1 Charging Your Device

1. Once connected, the charger will automatically begin charging your compatible device.
2. Monitor your device's charging indicator (if available) to determine charging status.
3. Disconnect the charger from the wall outlet and then from your device once charging is complete or if you need to stop charging.

The charger is equipped with various protection mechanisms to ensure safe charging. These include over-

current, over-discharge, over-voltage, overcharge, and short circuit protection.

5.2 Product Video

Your browser does not support the video tag.

Video: This video demonstrates the features and compatibility of the 16.8V 1A charger, including its use with various massage guns.

6. MAINTENANCE

- **Cleaning:** Disconnect the charger from power before cleaning. Use a dry, soft cloth to wipe the surface. Do not use liquid cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid bending or crimping the cable excessively, especially near the connectors, to prevent internal wire damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not charging	Incorrect DC interface size or voltage mismatch. Charger not plugged in. Device fault.	Confirm the DC interface is 5.5x2.5mm (or 5.5x2.1mm) and the device requires 16.8V. Ensure the charger is securely plugged into both the wall and the device. Test with another compatible device if possible.
Charger feels hot	Normal operation under load. Poor ventilation. Overload.	A slight warmth is normal. Ensure the charger is not covered and has adequate airflow. If it's excessively hot, disconnect immediately and check for compatibility or device issues.
No power indicator (if applicable)	No power from outlet. Faulty charger.	Test the wall outlet with another appliance. Check the charger for visible damage.

8. SPECIFICATIONS

Specification	Value
Model Number	SZYB-16810
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 16.8V \pm 0.1V
Output Current	1A
DC Output Interface	5.5 x 2.5mm (compatible with 5.5 x 2.1mm)
Output Wire Length	1.2m / approx. 4ft

Specification	Value
Product Dimensions	2.91 x 1.61 x 2.09 inches
Item Weight	2.4 ounces
Certifications	CE, FCC
Compatible Devices	Lithium Battery Pack Devices with 5.5x2.5mm DC Interface

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Tiiyee customer service through the retailer where the product was purchased. Please have your model number (SZYB-16810) and purchase details ready when contacting support.
