

[Manuals.plus](#) /

› [Talentcell](#) /

› TalentCell 12.6V/2A Lithium Battery Charger User Manual

Talentcell GM25-126200-1A

TalentCell 12.6V/2A Lithium Battery Charger User Manual

Model: GM25-126200-1A

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your TalentCell 12.6V/2A Lithium Battery Charger. Please read these instructions carefully before use and retain them for future reference.



Image: The TalentCell 12.6V/2A Lithium Battery Charger with its power cord and DC output connector.

2. SAFETY INFORMATION

- This 12.6V charger is designed exclusively for 3S 12V/11.1V lithium-ion battery packs. **Do not use it with LiFePO4 batteries or hoverboards.**
- Ensure the charger's DC output port (5.5 x 2.1mm, center positive) matches your device's input port before connecting.
- Input voltage: AC 100-240V 50/60Hz. Use only with compatible power outlets.
- Do not leave the charger connected to the power supply when not in use.
- Unplug the charger promptly once the battery is fully charged (indicator turns green).
- Avoid exposing the charger to moisture, extreme temperatures, or direct sunlight.
- Do not disassemble or modify the charger. Refer servicing to qualified personnel.
- The charger features multiple protections to ensure safe operation.



Multiple Protections

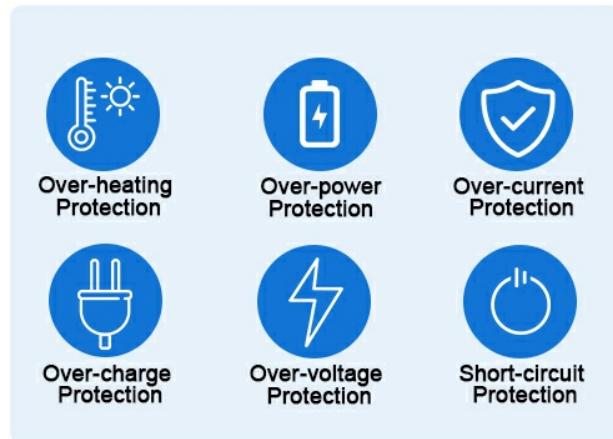


Image: Illustration of the charger's built-in safety features, including Over-heating, Over-power, Over-current, Over-charge, Over-voltage, and Short-circuit protections.

3. PACKAGE CONTENTS

- 1 x TalentCell 12.6V/2A Li-ion Charger

4. PRODUCT OVERVIEW

The TalentCell 12.6V/2A Lithium Battery Charger is designed for efficient and safe charging of 3S 12V/11.1V lithium-ion battery packs. It features an LED indicator for charging status and multiple built-in safety protections.

Input:

AC 100-240V 50/60Hz.

Output:

DC 12.6V/2A

Compatible with:

Charge the 3S 12V Lithium Battery pack.
And 12V Rechargeable Li-ion Battery pack.
Battery voltage range is 9-12.6V.

 Don't charge the 4S 12V LiFePO4 battery pack.



Image: This illustration details the charger's input (AC 100-240V 50/60Hz), output (DC 12.6V/2A), compatibility with 3S

12V lithium battery packs, and the charging indicator light (Red for charging, Green for full).

5. SETUP

1. **Verify Compatibility:** Ensure your battery pack is a 3S 12V/11.1V lithium-ion type. Confirm that your device's input port is a DC 5.5 x 2.1mm barrel connector with center positive polarity.



Image: This image shows the dimensions of the DC5521 male connector (5.5mm outer diameter, 2.1mm inner diameter) and its center positive polarity, which is crucial for compatibility.

2. **Connect to Power:** Plug the charger into a standard AC 100-240V 50/60Hz wall outlet.

6. OPERATING INSTRUCTIONS

1. **Connect to Battery:** Connect the DC output plug of the charger to your compatible lithium-ion battery pack.
2. **Monitor Charging Status:** The LED indicator on the charger will illuminate **RED**, indicating that the battery is currently charging.
3. **Charging Complete:** Once the battery is fully charged, the LED indicator will turn **GREEN**.
4. **Disconnect:** Promptly disconnect the charger from the battery and the power outlet once charging is complete to prevent overcharging and prolong charger lifespan.

7. COMPATIBILITY

This charger is compatible with 12V/11.1V lithium battery and 3-Series Lithium Li-ion Battery packs. It is specifically suitable for TalentCell 12V series lithium-ion batteries, including models: YB1203000, YB1206000, YB1203000-USB, YB1206000-USB, YB1208300-USB, YB12011000-USB, and PB120B1.

Important Note: This charger is *not* designed for and cannot charge hoverboards or LiFePO4 batteries.

8. MAINTENANCE

- Keep the charger clean and dry. Wipe with a soft, dry cloth if necessary.

- Store the charger in a cool, dry place away from direct sunlight and moisture when not in use.
- Inspect the cable and connector regularly for any signs of damage. Do not use if damaged.

9. TROUBLESHOOTING

- **Charger LED does not light up:**
 - Ensure the charger is securely plugged into a working AC outlet.
 - Verify the battery is properly connected to the charger.
 - Check if the battery pack is severely discharged or faulty.
- **LED remains Red after extended charging:**
 - Confirm the battery capacity is within the charger's capabilities. Larger capacity batteries will take longer to charge.
 - Ensure the battery is not faulty.
 - Disconnect and reconnect the charger.
- **Charger feels warm during operation:**
 - It is normal for the charger to become warm during use. If it becomes excessively hot, disconnect immediately and contact support.

10. SPECIFICATIONS

Brand	Talentcell
Model Number	GM25-126200-1A
Input	AC 100-240V, 50/60Hz
Output	DC 12.6V, 2A
Connector Type	DC 5.5 x 2.1mm Barrel Connector, Center Positive
Compatibility	3S 12V/11.1V Lithium-ion Battery Packs
Certifications	UL, FCC, CE, RoHS
Material	Plastic
Weight	0.14 Kilograms
Cable Length	Approximately 3.3 ft / 1 meter
Protection Features	Over-heating, Over-power, Over-current, Over-charge, Over-voltage, Short-circuit



Image: The charger displaying its cable length of approximately 3.3 feet (1 meter).

11. WARRANTY AND SUPPORT

For warranty information or technical support, please contact TalentCell customer service through the retailer where the product was purchased or visit the official TalentCell website for further assistance.

