

Miady SLA6V5A, LFP15AH

Miady Battery Instruction Manual

Models: SLA6V5A (6V 5Ah Sealed Lead Acid Battery) & LFP15AH (12.8V 15Ah Lithium LiFePO4 Battery)

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1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your Miady 6V 5Ah Sealed Lead Acid (SLA) battery and 12.8V 15Ah Lithium LiFePO4 Deep Cycle battery. Please read this manual thoroughly before installation or operation to ensure proper handling and to maximize battery lifespan.

2. MIADY 6V 5AH SEALED LEAD ACID BATTERY (MODEL: SLA6V5A)

2.1 Product Overview

The Miady 6V 5Ah SLA battery is a rechargeable, maintenance-free power source designed for various applications. It utilizes Absorbed Glass Mat (AGM) technology, making it spill-proof and resistant to shocks and vibrations.



Image: A pack of six Miady 6V 5Ah Sealed Lead Acid batteries, showing the product label with model SLA6V5A and constant voltage charge specifications.

2.2 Key Features

- **Maintenance-Free:** Designed for long-term use without requiring electrolyte replenishment.
- **Spill-Proof Design:** VRLA (Valve Regulated Lead Acid) technology prevents spills and overpressure.
- **AGM Technology:** Absorbed Glass Mat ensures stable performance and wide operating temperatures.
- **Durable Construction:** ABS Plastic Case provides resistance to shock, vibration, and heat.
- **High Discharge Rate:** Capable of delivering power efficiently.
- **Deep Discharge Recovery:** Designed to recover from deep discharge cycles.

Battery Protection Characteristics



Over-charge
Protection



Over-discharge
Protection



Over-current
Protection



Over-heat
Protection



Short Circuit
Protection



Image: Diagram illustrating the protection characteristics of the Miady 6V 5Ah battery, including over-charge, over-discharge, over-current, over-heat, and short circuit protection.

2.3 Specifications

Specification	Value
Model	SLA6V5A
Voltage	6V
Capacity	5Ah
Dimensions (L x W x H)	2.68 x 1.77 x 3.86 inches (68 x 45 x 98 mm)
Terminal Type	F1
Cycle Use Voltage	7.25V-7.45V (Initial current less than 1.25A)

Standby Use Voltage

6.80V-6.90V

OUR DIMENSIONS

Make Sure we are the perfect match



Image: A single Miady 6V 5Ah battery with its dimensions clearly labeled in inches and millimeters, showing a length of 2.68 inches, width of 1.77 inches, and height of 3.86 inches.

3. MIADY 12.8V 15AH LITHIUM LiFePO4 DEEP CYCLE BATTERY (MODEL: LFP15AH)

3.1 Product Overview

The Miady 12.8V 15Ah LiFePO4 battery offers advanced cell design, a long life cycle, and environmentally friendly operation. It is a lightweight deep cycle battery with lower self-discharge, suitable for various demanding applications.



Image: A single Miady 12.8V 15Ah LiFePO4 rechargeable battery, displaying its model number LFP15AH and key features like advanced cell design and long life cycle.

3.2 Key Features & Smart Battery Management System (BMS)

- **Advanced Cell Design:** Optimized for performance and longevity.
- **Long Life Cycle:** Provides extended operational life compared to traditional batteries.
- **Environmentally Friendly:** Lithium Iron Phosphate chemistry is safer and more sustainable.
- **Lightweight:** Easier to handle and install.
- **Lower Self-Discharge:** Retains charge for longer periods when not in use.
- **Integrated BMS:** Ensures safety and longevity with multiple protection features.

Smart Battery Management System

Ensure safety and longevity with multiple



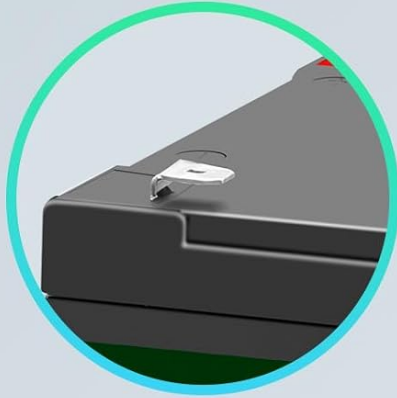
Image: An exploded view diagram of the Miady 12.8V 15Ah LiFePO4 battery, highlighting the internal Smart Battery Management System (BMS) and its protection functions: over-charge, over-discharge, over-voltage, over-current, short-circuit, and over-temperature.

3.3 Specifications

Specification	Value
Model	LFP15AH
Voltage	12.8V
Capacity	15Ah
Energy	192Wh
Weight	4.1 lbs
Dimensions (L x W x H)	5.9 x 3.9 x 3.7 inches (15 x 9.5 x 10 cm)

Dimensions

Please confirm measurements before purchase to ensure proper fit.



F2 Terminal

Weight

4.1 lbs

Size: L5.9*W3.9*H3.7 in
L15*W9.5*H10 CM

3.9in
(9.5cm)



5.9in (15cm)

3.7in
(10cm)

Image: A single Miady 12.8V 15Ah LiFePO4 battery with its dimensions clearly labeled in inches and centimeters, showing a length of 5.9 inches, width of 3.9 inches, and height of 3.7 inches, along with its weight of 4.1 lbs.

3.4 Applications

The Miady 12.8V 15Ah LiFePO4 battery is suitable for a wide range of applications, including:

- Small Uninterruptible Power Supplies (UPS)
- Fish Finders
- Kids' Electric Cars
- Mobility Scooters
- Solar Panel Systems
- Trolling Motors
- Security Cameras

- Portable Speakers
- Gate Openers
- Camping Power Needs



Applications



Image: Collage showing various applications for the Miady 12.8V 15Ah LiFePO4 battery, including powering a small UPS, a fish finder, a kids' car, and mobility scooters.

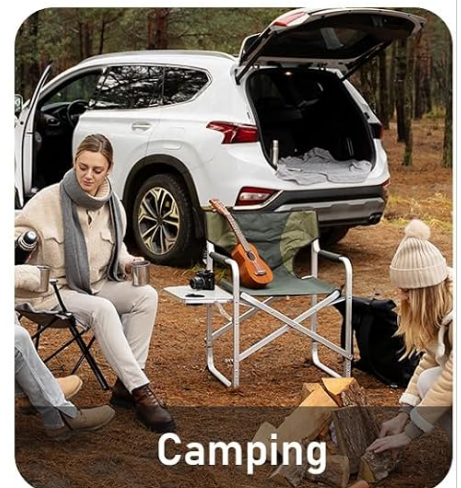
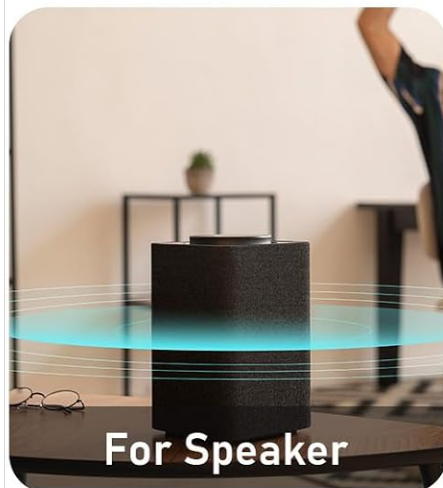


Image: Collage showing additional applications for the Miady 12.8V 15Ah LiFePO4 battery, such as solar panel systems, trolling motors, security cameras, portable speakers, gate openers, and camping setups.

4. GENERAL SETUP & OPERATION

4.1 Initial Charging

It is recommended to fully charge the battery before its first use. Use a charger compatible with the battery type (SLA for 6V, LiFePO4 for 12.8V) and voltage. Refer to the charger's instructions for proper charging procedures.

4.2 Connection

1. Ensure all equipment is turned off before connecting the battery.
2. Connect the positive (+) terminal of the battery to the positive (+) terminal of your device/system.
3. Connect the negative (-) terminal of the battery to the negative (-) terminal of your device/system.
4. Ensure all connections are secure to prevent arcing or poor performance.

4.3 Discharging

Avoid over-discharging the battery. While both batteries offer protection against deep discharge, consistent over-discharging can reduce overall lifespan. Monitor your device's power requirements and battery voltage.

5. MAINTENANCE & STORAGE

5.1 Maintenance

Both Miady batteries are designed to be maintenance-free. Regularly inspect terminals for corrosion and ensure connections are tight. Keep the battery clean and free from dust and debris.

5.2 Storage

- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- For the 12.8V LiFePO4 battery, store at approximately 75% capacity and recharge every 6 months if not in use.
- Do not store above 60°C (140°F).

6. SAFETY PRECAUTIONS

Adhere to the following safety guidelines to prevent injury or damage:

- **Do Not Short Circuit:** Avoid connecting the positive and negative terminals directly.
- **Do Not Disassemble:** Do not attempt to open or modify the battery casing.
- **Temperature:** Do not expose batteries to temperatures above 50°C (122°F) for SLA batteries or 60°C (140°F) for LiFePO4 batteries, or incinerate.
- **Sparks and Flames:** Keep batteries away from sparks, open flames, and heat sources.
- **Ventilation:** Ensure adequate ventilation when charging SLA batteries.
- **Recycling:** Batteries must be recycled or disposed of properly according to local regulations.
- **Physical Damage:** Do not crush, mutilate, or reverse polarity.
- **Children:** Keep batteries out of reach of children.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging	Incorrect charger, loose connections, faulty charger, battery deeply discharged (SLA)	Verify charger compatibility and connections. Test charger. For SLA, try a specialized desulfation charger if deeply discharged. LiFePO4 BMS may prevent charging if voltage is too low; consult support.
Battery not holding charge	Aging battery, excessive discharge, internal fault	Ensure proper charging. Avoid over-discharging. If battery is old, replacement may be necessary.
Device not powering on	Battery discharged, incorrect connection, faulty device	Charge battery. Check all connections. Test battery with another device or test device with another power source.

8. WARRANTY & SUPPORT

Miady batteries are manufactured to high-quality standards. For specific warranty information, please refer to the product packaging or the official Miady website. If you encounter any issues or require technical assistance, please contact Miady customer support through their official channels or the retailer where the product was purchased.

For further assistance, visit the [Miady Store on Amazon](#).

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question