

PowerStore Battery 100Ah – User Manual

PowerStore Battery 100Ah Metadata

Model: PS-100A

Category: batteries

Tags: batteries, PS-100A, Cirrus, Renewable Energy, PowerStore Battery 100Ah

1. PowerStore Battery 100Ah Overview

Compact form-factor with intelligent BMS, perfect for smaller energy storage setups.

2. PowerStore Battery 100Ah Intended Use

Designed for residential and light commercial renewable-energy applications. Any other use may void the warranty and pose safety risks.

3. PowerStore Battery 100Ah Safety Information

- a. Operate Li-ion batteries between 15°C and 30°C; follow NFPA 855.
- b. Maintain 40-60% state-of-charge for long-term storage.
- c. Place a class 'Li-ion' extinguisher within 3 m of the battery.

4. PowerStore Battery 100Ah Prerequisites

- a. Read this manual in full before installation.
- b. Ensure local electrical codes and permits are satisfied.
- c. Have the following tools: multimeter, torque wrench, crimping tool, PPE.

5. PowerStore Battery 100Ah Installation Guide

- a. Use UL 9540A-certified cabinets with integrated BMS.
- b. Provide 100 mm clearance between modules for ventilation.
- c. Connect rapid-shutdown device per NEC 706.

6. PowerStore Battery 100Ah Configuration & Operation

Refer to the controller or inverter interface to set voltage and charging parameters. Adjust based on battery chemistry or site requirements.

7. PowerStore Battery 100Ah Maintenance Schedule

- a. Run BMS diagnostics quarterly; replace modules below 80 % capacity.
- b. Torque lugs per spec (5-9 Nm).
- c. Calibrate temperature sensors annually.

8. PowerStore Battery 100Ah Troubleshooting

- a. **No Output / Zero Power:** Check PV input voltage; verify connectors.



- b. **Low Power Output:** Inspect for shading, soiling, or loose wiring.
- c. **System Fault Code:** Consult controller/inverter fault table; reset after corrective action.

9. PowerStore Battery 100Ah Technical Specifications

Specification	Value
Voltage	12V
Dimensions	12 x 7 x 6 inches
Weight	35 lbs
Warranty	7 years
Operating Temperature	-4°F to 140°F
Capacity	100Ah

10. Regulatory & Standards

- a. UL 9540A
- b. NFPA 855
- c. IEC 62619

11. PowerStore Battery 100Ah Warranty & Support

Warranty: 7 years

For assistance, contact Cirrus support: support@cirrus.com or +1-800-CIRRUS-1.