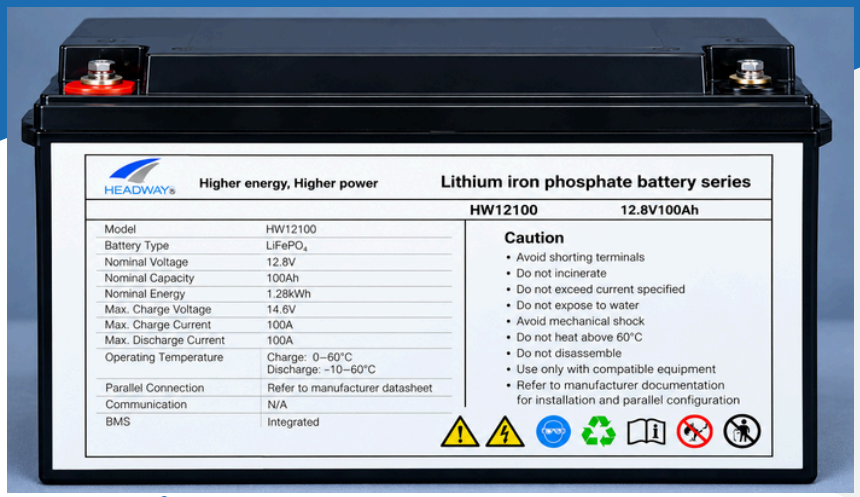
12.8V 100Ah LiFePO4 Industrial Battery
HW12100 | Compact Industrial & Backup Power Solution



Product Overview

The Headway HW12100 is a compact 12.8V 100Ah LiFePO4 battery providing approximately 1.28 kWh of nominal energy. Designed for industrial backup, communications, instrumentation and auxiliary power applications, it combines a compact 12V-class footprint with integrated battery management and long-cycle LiFePO4 technology.

Key Features

- 12.8V nominal voltage
- 100Ah nominal capacity
- Approximately 1.28 kWh stored energy
- LiFePO4 battery chemistry
- Integrated battery management system (BMS)
- Suitable for frequent charge/discharge cycles
- Low self-discharge and efficient charging
- Compact 12V-class battery format

Applications

- Industrial UPS and backup power
- Control panels and instrumentation
- Telecommunications equipment
- Remote monitoring and telemetry / IoT systems
- Emergency and standby systems
- Mobile industrial equipment
- Compatible lead-acid replacement applications

Key Benefits

- **Compact Industrial Power**

Provides approximately 1.28 kWh of nominal energy in a compact 12V battery format.

- **Integrated Battery Management**

Built-in BMS supports battery protection and management.

- **Long-Cycle LiFePO4 Technology**

Designed for repeated charge and discharge applications.

- **Reduced Maintenance**

Requires less routine servicing than traditional flooded lead-acid batteries.

TECHNICAL SPECIFICATIONS & APPLICATIONS

Technical Specifications

Parameter	Specification
Model	HW12100
Brand	Headway
Battery Type	LiFePO4
Nominal Voltage	12.8V
Nominal Capacity	100Ah
Nominal Energy	Approx. 1.28 kWh
Battery Format	Compact 12V-Class
Battery Management	Integrated BMS
Application	Industrial & Backup Power

Battery Selection Considerations

- Required load current and operating voltage
- Backup duration and energy requirements
- Charger compatibility
- Installation space and conditions
- BMS and system protection requirements

Why Choose the HW12100?

- **Long Service Life**
- **LiFePO4 chemistry supports repeated charge and discharge cycles.**
- **Compact Power Solution**
- **Provides 1.28 kWh nominal energy in a compact 12V-class format for space-conscious installations.**
- **Lead-Acid Alternative**
- **A practical replacement option for compatible conventional 12V battery systems.**
- **Industrial Versatility**
- **Supports backup power, communications, control, monitoring and remote telemetry applications.**

Conclusion

The Headway HW12100 provides compact 1.28 kWh LiFePO4 energy storage for industrial backup, communications, instrumentation and mobile power applications.
APS Technology Australia can assist with battery selection based on load requirements, runtime, charger compatibility and installation conditions.