

UPS High-Voltage Lithium Battery Pack

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: daxin
- Certification: ul
- Model Number: 25.6KWH
- Minimum Order Quantity: 1
- Price: 1000
- Payment Terms: T/T
- Supply Ability: 10000



Product Specification

- Highlight: UPS lithium battery pack,
high-voltage outdoor battery,
lithium battery power cabinet



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Product Description

UPS High-Voltage Lithium Battery Pack

Product Overview

Model: 512V 50Ah Lithium Battery Pack

Cell Type: High-energy-density lithium-ion (e.g., LiFePO₄ or NMC)

Rated Voltage: 512V (typically composed of multiple cells in series)

Rated Capacity: 50Ah (capable of high-power output)

Energy: Approx. **25.6kWh** (512V × 50Ah)

Applications: Suitable for high-voltage applications such as electric vehicles (e.g., electric buses, trucks), energy storage systems, and industrial equipment.

Key Features

- **High-Voltage Design:** The 512V system reduces current loss, improving efficiency in high-power applications.
- **Long Cycle Life:** High-quality cells ensure **2,000-5,000 cycles** (varies by cell chemistry).
- **Smart BMS (Battery Management System):** Includes overcharge/over-discharge protection, temperature monitoring, and cell balancing for safety.
- **Lightweight & High Energy Density:** Compact and lighter than lead-acid batteries with superior energy density.
- **Fast Charging:** Supports high charge rates (e.g., 0.5C-1C) for reduced charging time.

Technical Specifications

Parameter	Specification
Nominal Voltage	512V DC
Nominal Capacity	50Ah
Energy	25.6kWh
Charge Voltage	BMS-dependent (e.g., max 560V)
Discharge Cut-off	BMS-dependent (e.g., min 400V)
Max Continuous Current	100A (2C) or higher (design-dependent)
Peak Discharge Current	150A (3C, short-term)
Operating Temperature	Charge: 0°C-45°C / Discharge: -20°C-60°C
Protection Rating	IP65 (dust/waterproof)
Communication Interface	CAN/RS485 (optional)

Applications

Ideal for:

- Electric vehicles (buses, trucks)
- Energy storage systems
- Industrial equipment
- High-power UPS systems



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