شرکت آوای ایمن توان

ET battery Lithium For UPS Serise LI10000U (48V-100Ah)



Reliable Energy Storage for Critical Power Applications

The Serise LI10000U 48V/100Ah Lithium Iron Phosphate (LiFePO4) battery is specifically designed for UPS systems and energy storage applications. Equipped with premium A+ grade LiFePO4 cells and an intelligent Battery Management System (BMS), it ensures high safety, stable performance, and reliable power delivery.

With a nominal voltage of 51.2V, a capacity of 100Ah, and an energy storage capacity of 5.12kWh, this battery provides an efficient alternative to conventional lead-acid batteries in backup power applications.

The integrated BMS continuously monitors individual cells and protects the battery against overcharging, over-discharging, short circuits, overcurrent, and excessive temperature.

Featuring high energy efficiency, fast charging capability, and parallel connection support for up to four units, this battery offers a flexible and dependable solution for demanding power requirements.

Specifications

- A+ Grade LiFePO4 Cells
- Intelligent Battery Management System (BMS)
- Independent Cell Monitoring
- High Energy Efficiency
- Advanced Safety Protection
- Compatible with Various UPS Systems
- Parallel Connection up to 4 Units
- Long Cycle Life: 3,000–5,000 Cycles
- UPS Backup Systems
- Solar Energy Storage Systems
- Telecommunications
- Industrial Power Systems
- Electrical and Critical Equipment

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battery Lithium For UPS
Serise LI10000U(48V-100Ah)

مشخصات کلی	
Model	48V 100Ah
Battery Type	LFP ($LiFePO_4$)
Nominal Voltage	51.2 V
Nominal Capacity*	100 Ah
Nominal Energy	5.12 kWh
Depth of Discharge (DoD)	90%
Maximum Charging Power	2.825 kW
Maximum Discharging Power	4.096 kW
Cycle Life	10,000 cycles
Maximum Parallel Quantity	8 units
Protection Rating	IP65
Dimensions (W × H × D)	540 × 490 × 240 mm
Weight	54 kg
Pack Certifications	IEC/EN 62619, UN38.3
Cell Certifications	IEC/EN 62619, UL1973

Power Beyond Limits. Reliability Without Compromise. Meet the smarter way to store energy.

With advanced LiFePO4 technology, 5.12kWh energy capacity, and intelligent BMS protection, our 48V 100Ah battery delivers reliable backup power for demanding applications.

Why Choose It?

- 5.12kWh Energy Capacity
- Premium A+ Grade Cells
- Smart BMS Protection
- High Efficiency & Fast Charging
- 3,000–5,000 Charge Cycles
- Parallel Expansion up to 4 Units
- Lightweight Compared to Lead-Acid Batteries

One Battery. Multiple Applications. Reliable Power. Ideal for UPS, solar energy storage, telecommunications, and industrial systems.

IMEN TAVAN | Advanced Power Solutions

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