شرکت آوای ایمن توان

battery Lithium
Series Li9000 (16.0 KWh)



Lithium Iron Phosphate (LiFePO4) Battery System

The Series Li9000 is an advanced energy storage solution designed for solar energy systems and backup power applications.

. Utilizing Lithium Iron Phosphate (LiFePO4) technology, it provides high operational safety, reliable energy storage, and long-term performance.

Key Features

- Modular and scalable energy storage architecture
- High energy density
- Integrated intelligent battery management system
- User-friendly touchscreen interface
- Compact floor-standing configuration
- Advanced LiFePO4 battery chemistry for enhanced safety

Specifications

- Nominal Energy: 16.0 kWh
- Nominal Voltage: 51.2 V
- Battery Chemistry: LiFePO4
- Cycle Life: 6,000 cycles
- Communication Interfaces: CAN / RS485
- Parallel Connection: Up to 48 units
- Maximum Expandable Capacity: 768 kWh
- Battery Management: Integrated Smart BMS
- User Interface: Touchscreen Display
- Installation: Floor-standing design

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MODEL		Li9016
System data	Battery type	LiFePO4
	Nominal voltage	51.2V
	Normal capacity	16kWh
	Usable capacity	15.3kWh
	Operating voltage	40~58.4V
	Max. Charge/Discharge current	150A/200A
	Peak charging/discharging current	700A/200 us
	DOD	95%
General	Dimension (W/H/D)	440/894/265mm
	Weight	120±2kg
	Installation	Floor-standing
	Altitude	<2000 m
	IP Protection	IP20
	Operating temperature	Chg: 0~60°C/Dsg: -20 ~ 60°C
	Storage temperature*	-20 ~ 60°C
Features	Cycle life	6000 (0.5C, 80% DOD, @25°C)
	Cooling	Natural convection
	System connection	Max. 48 pcs in parallel
	Communication port	CAN/RS485
	Warranty: 5 years / 10 years	Yes /Optional
	Compliance	CE(EMC), UN38.3, MSDS, ROHS, IEC62619
	Note	* Suggested storage temperature is -10~35°C

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