شرکت آوای ایمن توان

battery Lithium
Series Li9000 (14.3 KWh)



Lithium Iron Phosphate (LiFePO4) Battery System

The Series 9000 is a high-performance energy storage solution designed for residential and commercial backup power applications.

Based on LiFePO4 battery technology, it combines operational safety, high usable energy capacity, and long cycle life.

System Features

- Integrated Battery Management System (BMS)
- Scalable energy storage architecture
- High energy density and space-efficient design
- Passive thermal management without mechanical fans
- Communication compatibility with supported inverters

Specifications

- Nominal Energy: 14.3 kWh
- Usable Energy: 13.3 kWh
- Nominal Voltage: 51.2 V
- Depth of Discharge (DoD): 93%
- Battery Chemistry: Lithium Iron Phosphate (LiFePO4)
- Communication Interfaces: CAN / RS485
- Parallel Expansion: Up to 48 units
- Maximum Expandable Capacity: 686.4 kWh
- Cycle Life: ≥ 6,000 cycles
- Cooling System: Natural convection (fanless)
- Installation: Wall-mounted
- Warranty: 3 years

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MODEL		Li9014
System data	Battery type	LiFePO4
	Nominal voltage	51.2V
	Normal capacity	14.3kWh
	Usable capacity	13.3kWh
	Operating voltage	40~58.4V
	Charge/Discharge current	140A
	Max. charging/discharging power	225A/245A, 3s
	DOD	93%
General	Dimension (W/H/D)	440/812/265mm
	Weight	<120kg
	Installation	Wall-mounted
	Altitude	<2000 m
	IP Protection	IP20
	Operating temperature	Chg: 0~55 /Dsg: -20~60
	Storage temperature*	-20~60
Features	Cycle life	≥6000
	Cooling	Natural convection
	System connection	Max. 48 pcs in parallel
	Communication port	CAN/RS485
	Warranty	10 years

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