YOUR SAFE ENERGY

SMART AIR-COOLED BATTERY ALL-IN-ONE C&I BESS



Features and Advantages

Safety Technology

- A+ grade lithium iron phosphate
- The system is configured with a multi-level fuse protection
- Built-in aerosol fire extinguishing systems at the package and rack levels

Easy to Install and Use

- Highly integrated for ease of transportation, installation and deployment
- Modular design with flexible system capacity configuration

More Reliable

- The system is rigorously designed and tested to operate stably under various conditions
- Equipped with protections against overcharge over-discharge, and over-temperature to prevent accidents

Energy Management System

- Emergency power supply
- Peak shaving
- Demand mitigation
- Self-consumption
- Micro-grids
- Price arbitrage

LITHIUMVALLEY

System Technical Parameters

Model	MV500-1000A-10F
Battery Data	
Nominal Energy	1075.2 kWh
Nominal Voltage	768V
Battery Model	LV-IESS-RH14.336Aa-HB0X-15
Battery Chemistry	Lithium Iron Phosphate (LiFePO4)
Cycle Life	≥8000 cycles @25°C, 0.5P/0.5P
Cell Specification	3.2V 280Ah
Battery Pack Energy	14.336kWh
Number of Racks	5
String Configuration	1P240S
Operating Voltage	672V- 876V
Rated Charging Power	0.5P
Rated Discharging Power	0.5P
Safety	
Fire Suppression System	Gas aerosol, Water sprinkler system
PCS Data	
Rated Power	500kW
General	
Dimension(W×D×H)	6058 × 2438 × 2591 mm
Weight	Approximately 19000 kg
IP Rating	IP54
Cooling Method	Smart air cooling
Operating Temperature	-20°C to +50°C
Storage Temperature	-20°C to +45°C
Relative Humidity	15%- 90% (Non-condensing)
Operating Altitude	≤3000m
Communication Interfaces	LAN/CAN/RS485
Compliance	IEC62619, IEC/EN61000, UN3536, UN38.3

* The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified, the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.

* The specifications are subject to change without prior notice.