YOUR SAFE ENERGY

LIQUID 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

- Peak shaving
- Demand mitigation
- Self-consumption
- Price arbitrage

LITHIUMVALLEY

System Technical Parameters

Model	MV500-1000L-05G
Battery Data	
Nominal Energy	1044.9 kWh
Nominal Voltage	665.6V
Battery Model	SC52T04-314
Battery Chemistry	Lithium Iron Phosphate (LiFePO4)
Cycle Life	≥8000 cycles @25°C, 0.5P/0.5P
Cell Specification	3.2V 314Ah
Battery Pack Energy	52.2 kWh
Number of Racks	5
String Configuration	1P208S
Operating Voltage	582.4V-759.2V
Rated Charging Power	0.5P
Rated Discharging Power	0.5P
Safety	
Fire Suppression System	Aerosol fire extinguishing
PCS Data	
Rated Power	500kW
General	
Dimension(W×D×H)	6058 × 2438 × 2591 mm
Weight	Approximately 14000 kg
IP Rating	IP54
Cooling Method	Liquid 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.