LITHIUMVALLEY

YOUR SAFE ENERGY

Version:V1.4

20-year Design Lifespan

A+ Grade Lithium Iron Phosphate Cells

MV4000H	4179KWh
MV5000H	5015KWh

Liquid-cooled Energy Storage System
Active Balancing BMS Technology



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

System Technical Parameters

Model	MV4000H	MV5000H
Battery Data		
Nominal Energy	4179kWh	5015kWh
Nominal Voltage	1331.2V	
Battery Model	SC104G314-04	
Battery Chemistry	Lithium Iron Phosphate ($LiFePO_4$)	
Cycle Life	≥8000(@25°C, 0.5P/0.5P)	
Cell Specification	3.2V/314Ah	
Battery Pack Energy	104.4kWh	
String Configuration	1P416S	
Number of Strings	10	12
Operating Voltage	1164.8V - 1497.6V	
Rated Charging Power	0.5P	
Rated Discharging Power	0.5P	
Safety		
Fire Extinguishing System	Aerosol , Water sprinkler system	
Efficiency		
Max. Efficiency	93%	
General		
Dimension(WxDxH)	6058 x 2438 x 2896 mm	
Weight	Approximately 32000kg	Approximately 43000kg
IP Rating	IP54	
Cooling Method	Liquid cooling	
Operating Temperature	-20°C - +50°C	
Storage Temperature	-20°C - +45°C	
Relative Humidity	15% - 95%(Non-condensing)	
Max. Operating Altitude	≤3000m	
Communication Interfaces	LAN/CAN/RS485	
Compliance	IEC 62619, IEC/EN 61000, UN 3536, MSDS	

* 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.

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