

YOUR SAFE ENERGY

MegaValley5-5MWh
MegaValley5-4MWh



A+ Grade Lithium
Iron Phosphate Cells



20-year Design Lifespan

Liquid-Cooled Battery All-in-One C&I BESS



Features and Advantages

Safety Technology

- A+grade lithium iron phosphate
- Multi-level fuse design with sequential protection
- Built-in package-level and container-level gas aerosol fire extinguishing system

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

Compliance

- IEC/EN 62619, IEC/EN 61000, UN3536, MSDS

Easy to Install and Use

- Highly integrated for ease of transportation, installation and deployment
- Modular design with flexible system capacity configuration
- Compatible with most high-voltage PCS available on the market

Energy Management System

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

Technical Parameters

Model	MegaValley5-5MWh		MegaValley5-4MWh	
BatteryData				
Nominal Energy	5015KWh		4179KWh	
Nominal Voltage	1331.2V		1331.2V	
Battery Model	SC52T08-314			
Battery Chemistry	Lithium Iron Phosphate(LiFePO4)			
Cell Specification	≥8000(@25°C, 0.5P/0.5P)			
Cycle Life	3.2V/314Ah			
String Configuration	416S1P			
Number of Racks	12			10
Operating Voltage Range	1164.8V - 1497.6V			
Standard Charging Power	0.5P(2507.9kW)			
Standard Discharging Power	0.5P(2507.9kW)			
Safety				
Fire Suppression System	Aerosol fire extinguishing			
Efficiency				
Max. Efficiency	93%			
General				
Dimensions (W x D x H)	6058 x 2438 x 2896 mm			
Weight	Approximately 43000kg			
IP Rating	IP54			
Cooling Method	Liquid cooling			
Operating Ambient Temperature Range	-25°C - +55°C			
Storage Temperature	-30°C - +60°C			
Relative Humidity	15% - 95%(Non-condensing)			
Working Altitude	≤3000m			
Communication Interfaces	LAN/CAN/RS485			
Compliance	IEC/EN 62619, IEC/EN 61000, UN3536, 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.