

614.4V series High voltage energy storage system



Modular design, standardized production, strong versatility, simple and convenient installation, operation and maintenance.



Adopt lithium iron phosphate battery cells, low internal resistance, high rate, high safety, and long life. The internal resistance, voltage, capacity, etc. of the single battery cell are highly consistent.



Intelligent system with low loss, high conversion efficiency, strong stability and reliable operation.



Supports slow charging and fast discharging.



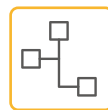
Complete BMS protection function and control system, multiple protection designs such as over-current, over-voltage and insulation.



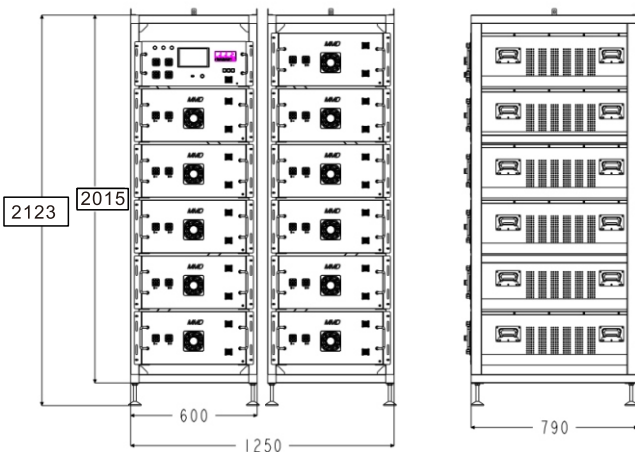
The number of cycles can reach more than 3,500 times, the service life is more than 10 years, and the comprehensive operating cost is low.



The visual LCD display can view data and operating status in real time, and accurately diagnose operating faults.



Supports CAN2.0, RS485 and other protocols to meet the needs of various occasions.

System Model	614.4V280Ah		
System appearance			
Module unit			
Module Model	51.2V280Ah		
Module Configuration	16S1P		
Module Size	762*495*252mm		
Module Weight	118KG		
Number of cells	16PCS		
Battery Type	LiFePO4		
System parameters			
Rated voltage	614.4V		
Operating voltage range	518.4-700.8V		
Equalizing charging voltage range	518.4-652.8V		
Float charge voltage range	518.4-662.4V		
Rated Capacity	280Ah		
Rated energy	172.032 Kwh		
Rated charging current	100A		
Maximum charging current	200A		
Rated discharge current	100A		
Maximum discharge current	200A		
Charging temperature range	0-55℃		
Discharge temperature range	-10-55℃		
Optimum operating temperature	15-25℃		
Cooling method	Natural cooling		
Relative humidity	5%-95%		
Operating altitude	≤2000M		
Cycle life	≥3000@80%DOD£-0.5C/0.5C£-25℃		
Communication method	CAN2.0/RS485/Dry Contact		
Protective function	Over temperature, over current, short circuit, over charge, over discharge, etc.		
Display	LCD touchscreen		
Design service life	≥10 years		
Cabinet size	Approx.(790*600*2123mm)*2PCS		
Gross weight	Approx.≤1.4T		