

# 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.



LCD

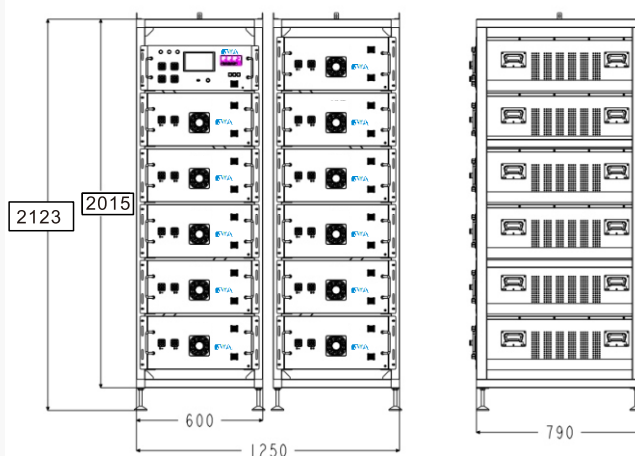
The visual LCD display can view data and operating status in real time, and accurately diagnose operating faults.



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

System Model		614.4V280Ah	
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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°C
Discharge temperature range	-10-55°C
Optimum operating temperature	15-25°C
Cooling method	Natural cooling
Relative humidity	5%-95%
Operating altitude	≤2000M
Cycle life	≥3000@80%DOD£-0.5C/0.5C£-25°C
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