



The modular HV ESS is specially developed for C&I scenarios. It adopts standardised rack design, with a single module of 5.12kWh, a single cluster of 60kWh high-density energy storage units, and support for multiple clusters in parallel to expand to megawatt-level capacity. The system is equipped with intelligent BMS and active safety protection system, realising three-level over-voltage/over-temperature/short-circuit protection to meet the harsh deployment requirements of indoor environments.



**More Than 6000 Cycles,
EOL > 70%**



**Maximum 1c
Charge/Discharge**



**30% Space-intensive
Design**



**IP20 for Indoor
Installation**

Battery Pack

Cell Capacity	3.2V/102Ah
Cell Chemistry	Lithium Iron Phosphate (LiFePO4)
Configuration	1P16S
Rated Voltage	51.2V
Rated Current	50A
Rated Energy	5.22kWh
Max. Charge/Discharge Rate	≤1C
Single Pack Weight	42kg ±1%
Cooling Method	Natural Cooling

Battery Cluster Specifications

Number of Packs	12
System Rated Voltage	614.4V
Operating Voltage Range	537.6V ~ 672.0V
System Rated Energy	62.6kWh
Max. Charging Current	100A (25±2°C)
Max. Discharging Current	100A (25±2°C)
Cycle Life	> 6000 cycles (80% DOD @25°C, 0.5C)

Environmental & Safety

Operating Temperature	-20°C~55°C
Storage Temperature	0°C~35°C
Operating Humidity	10%~90% RH (Non Condensation)
Altitude	≤3000m
Installation Environment	Indoor
Fire Protection (Pack)	Optional
Communication Protocol	CAN/ModBus
Ingress Protection (IP)	IP20

Physical Specifications

Dimensions (W*D*H,mm)	500 x 566 x 2139 (±5)
Weight	590 kg ±3%
Warranty	10 years
Battery Life	≥15 years