

Mercury 233: All-in-One Energy Storage System

AI-Powered | U.S. Brand & Local Support



Safe and Efficient

- Efficient and intelligent thermal management design
- Hierarchical linkage protection
- Cabinet fire barrier, 1200°C * 2 h



Economical and Reliable

- Highly integrated design, system efficiency up to 89%
- Adopt lithium iron phosphate long - life battery with a cycle life of 8000 cycles
- 30% lower energy consumption than air-cooling system



Smart and Friendly

- With energy storage cloud platform, full life cycle health management
- Built-in EMS, multiple operating modes to increase revenue
- Strong compatibility, support remote upgrade and control



Flexible Layout

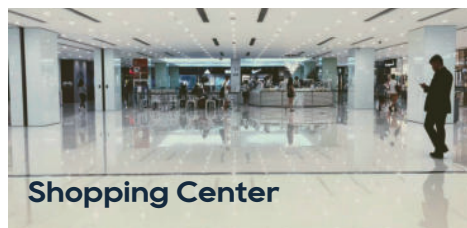
- All - in - one design, can be directly connected to the low-voltage distribution network
- Adapt to different application scenarios
- Easy installation and debugging, flexible



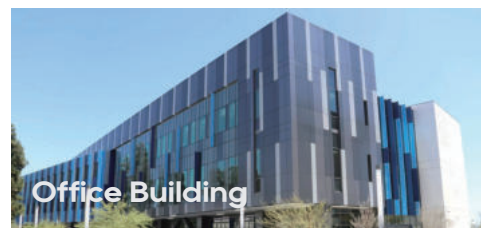
Application Scenarios :



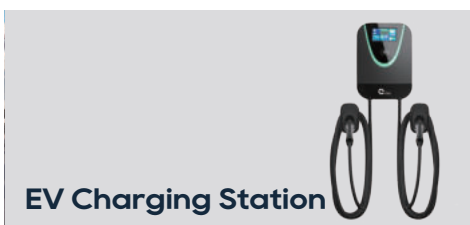
Factory



Shopping Center



Office Building



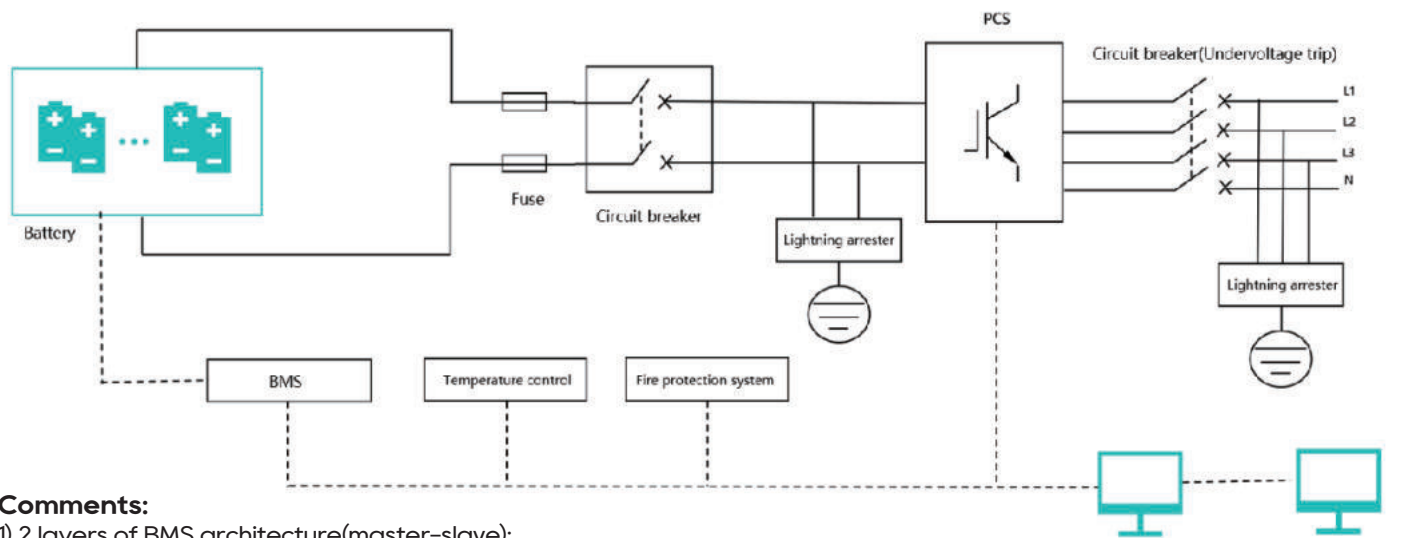
EV Charging Station



Farm



Island



Comments:

- 1) 2 layers of BMS architecture(master-slave);
- 2) local controller(EMS) integrated help control and manage the operation of system.

Energy Management System(EMS) Online platform

Items	Specification
PCS(AC side)	
Rated AC Power	125 kW
Rated Current	150 A
Output	480 VAC
Overload Capability	110% of rated power
Battery(DC side)	
Chemistry	LiFePO4
Nominal Capacity	280 Ah
Power Rate	0.5 P
Battery Pack Configuration	1P52S
Battery Rack Configuration	1P260S
System Rated Voltage	832 V
Operating Voltage Range	728-936 V
System	
Rated Energy	233 kWh
System Maximum Efficiency	89%
Cycle Life	8000 cycles @ (0.5P/0.5P, DOD100%, 70%EOL)
Cooling Way	liquid cooling
Fire Protection	PACK grade (aerosol) + Cluster grade (aerosol + water spray)
Communication Way	CAN/RS485/Ethernet
IP Rating	IP54 for cabinet, IP67 for pack
Weight & Dimension(W*D*H)	(1560.0 ± 5.0)*(1435.0 ± 5.0)*(2385.0 ± 5.0)mm
Certification	UL1973 UL9540A UL9540