

Mercury 233: All-in-One Energy Storage System

AI-Powered | EU 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 88%
- 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



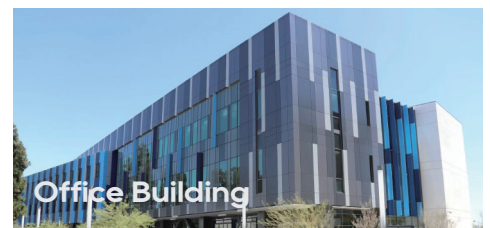
Application Scenarios :



Factory



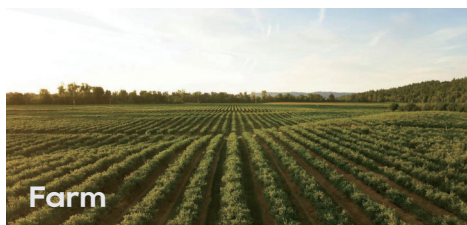
Shopping Center



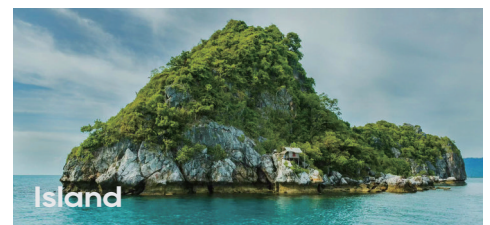
Office Building



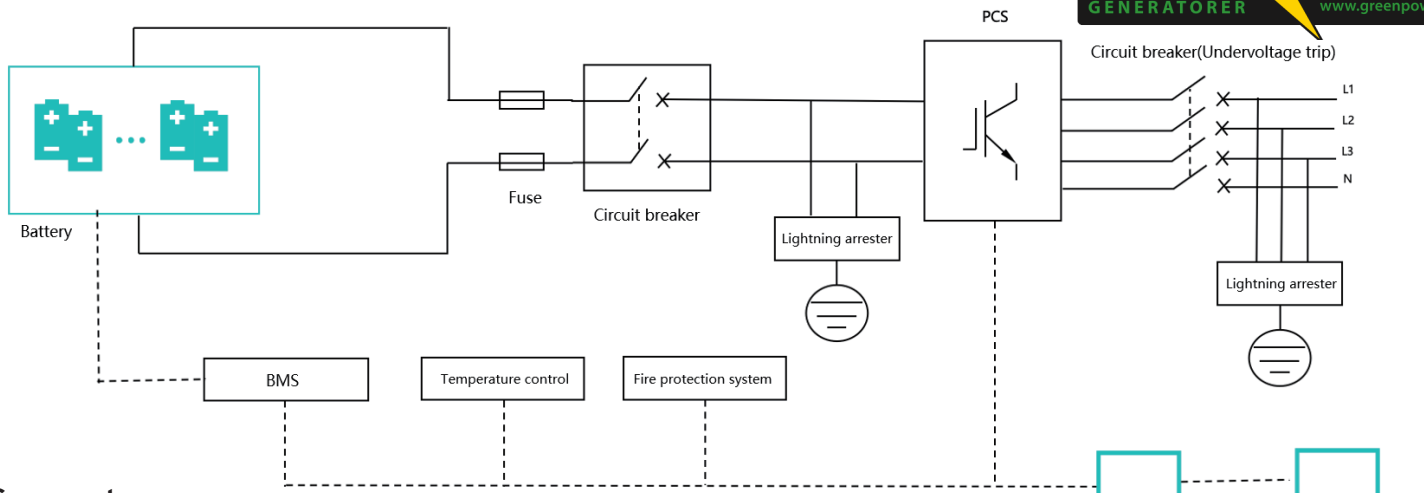
Solar Carport



Farm

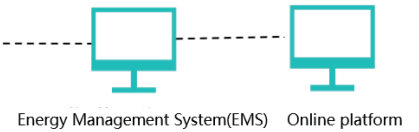


Island



Comments:

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



MODEL	Europe	Specification
Items	specification	
PCS(AC Side)		
Rated AC Power	105 kW	
Rated Current	152 A	
Output	400 VAC	
Overload Capability	110% of rated power	
Battery(DC side)		
Chemistry	LFP	
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	
Cycle Life	8000 cycles @ (0.5P/0.5P, DOD100%, 70%EOL)	
Cooling Way	liquid cooling	
Fire Suppression	PACK grade (aerosol) + Cluster grade (aerosol + water spray)	
Communication Way	CAN/RS485/Ethernet	
IP Rating	IP54 for cabinet,IP67 for pack	
Weight	≤2800 kg	
Dimension(W*D*H)	(1560.0 ± 5.0)*(1435.0 ± 5.0)*(2385.0 ± 5.0)mm	
Certification	IEC62619 IEC62477 IEC63056 IEC61000	



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