

ENERGY STORAGE SYSTEM CONTAINER

GBP Lithium battery cluster energy storage system



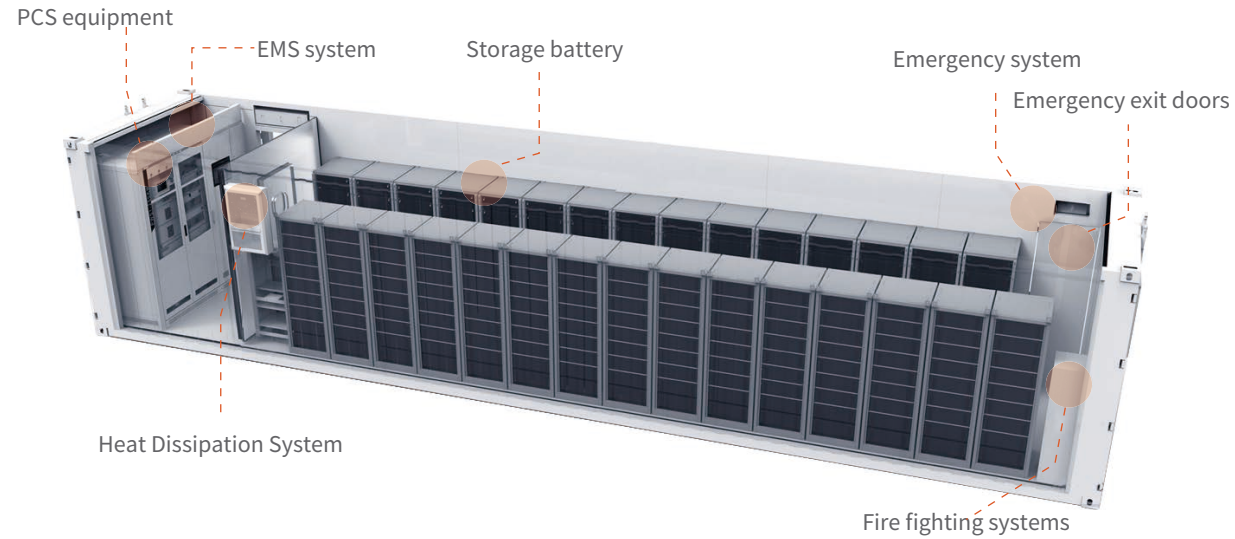
Product introduction

The container energy storage system includes: energy storage battery system, PCS booster system, fire fighting system, monitoring system, etc. It is widely used in scenarios such as power security, back-up power, peak shaving and valley filling, new energy consumption and grid load smoothing, etc.

Performance characteristics

- Flexible configuration of battery system types and capacities according to customer requirements
- The PCS has a modular architecture, simple maintenance and flexible configuration, allowing for multiple parallel machines
- Support parallel and off-grid operation mode, seamless switching, black start support
- EMS unattended system, locally controlled, cloud-monitored operation, with highly customized features
- Various modes including peak and valley reduction, demand response, backflow prevention, back-up power, command response, etc.
- Complete gas fire extinguishing system and automatic fire monitoring and alarm system with audible and visual alarm and fault uploading
- Complete thermal and temperature control system to ensure that the battery compartment temperature is within the optimum operating range
- Access control system with remote control and local operation.

Energy storage container structure distribution map



Technical parameters

Model	20ft	40ft
Output volt	400V/480V	
Grid frequency	50/60Hz(±2.5Hz)	
Output power	50-300kW	250-630kW
Bat capacity	200-600kWh	600-2MWh
Bat type	LiFePO4	
Size	Inside size (L*W*H):5.898*2.352*2.385	Inside size (L*W*H)::12.032*2.352*2.385
	Outside size (L*W*H):6.058*2.438*2.591	Outside size (L*W*H):12.192*2.438*2.591
Protection level	IP54	
Humidity	0-95%	
Altitude	3000m	
Working temperature	-20~50℃	
Bat volt range	500-850V	
Max. DC current	500A	1000A
Connect method	3P4W	
Power factor	-1~1	
Communication method	RS485,CAN,Ethernet	
Isolation method	Low frequency isolation with transformer	