

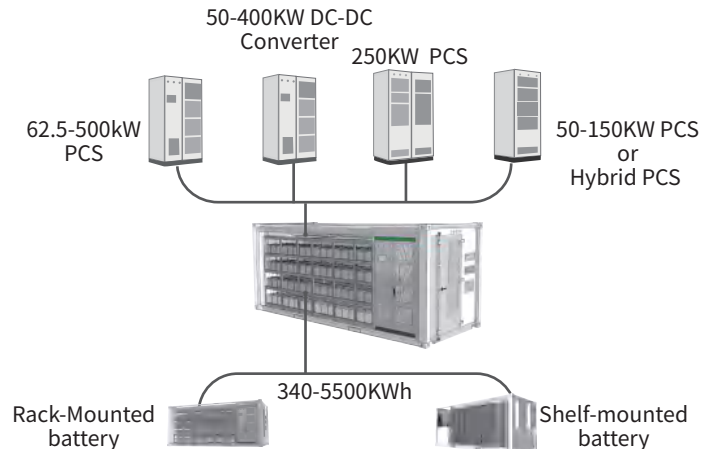
20ft/40ft Container & BESS Commercial

- ✓ Modular design and flexible configuration on power and energy.
- ✓ Pre-engineered system, pre-assembled, pre-tested, easy to Expand and service.
- ✓ Grid-support and grid-forming with NEMA 3R & IP54 rated.
- ✓ Optional DC-DC PV charging system and auto switching devices
- ✓ Non-walk-in/modular design with high integration, saving the floor space for installation.
- ✓ Prefabricated installation, reducing on-site installation costs and commissioning time.
- ✓ No fire, No explosion, and the fire protection system is highly customizable according to each application.
- ✓ Built-in bi-directional power conversion system.

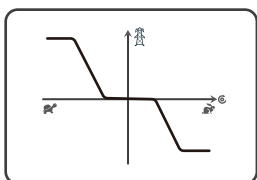


Container BESS Commercial

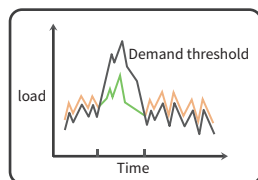
As of now, we have completed many microgrid projects all over the world. Besides the small to medium size Commercial & Industrial energy storage and microgrid applications, the container ESS solution developed by us had also been widely used for many mega-watt projects.



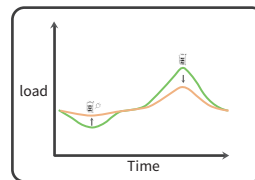
Reliable Flexible Compatible



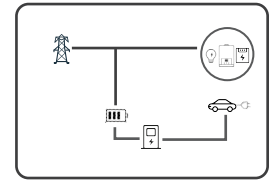
Grid Support



Demand Change Management



Load-Shifting



Energy Buffer

Technical Parameters

	20ft	40ft
Usable Energy(KWh)	2752	5505
Dimensions(H/W/D mm)	6058*2438*2896	12192*2438*2591
Weight System(Kg)	25240	49480
Cluster Volume Energy Density	127.4KWh/m ³	
Operating Environment Temperature(°C)	-20~60	
Humidity(%)	0~95	
Communication	RS485/CAN	
Protocol	Modbus TCP/RTU,IEC104,IEC61850	
Weight Battery Module(Kg)	105	
Cells	LFP, 3.2V/280Ah	
Enclosure Protection Rating	IP54	
Certification Compliance	CE, IEC62619, UN38.3	
Operation Altitude(m)	<3000	
Noise	<75dB	
Air Conditioning + Heating	Forced Air Cooling + Heating	

Applications

The Container BESS with built-in HVAC / aux power / 280Ah lithium-ion battery cell, with the external bi-directional storage inverters, and optional smart transfer switch, which could be used in parallel on AC and / or DC. The container had been widely used for Industrial and large scale battery energy storage.



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