

1.2MWh Lead Carbon Container Storage System



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Our state-of-the-art BESS integrates advanced lead carbon batteries, standardized power conditioning system, and energy management system. It benefits the entire power value chain, from generation, transmission up to distribution and all the way to users.



Energy Storage Application

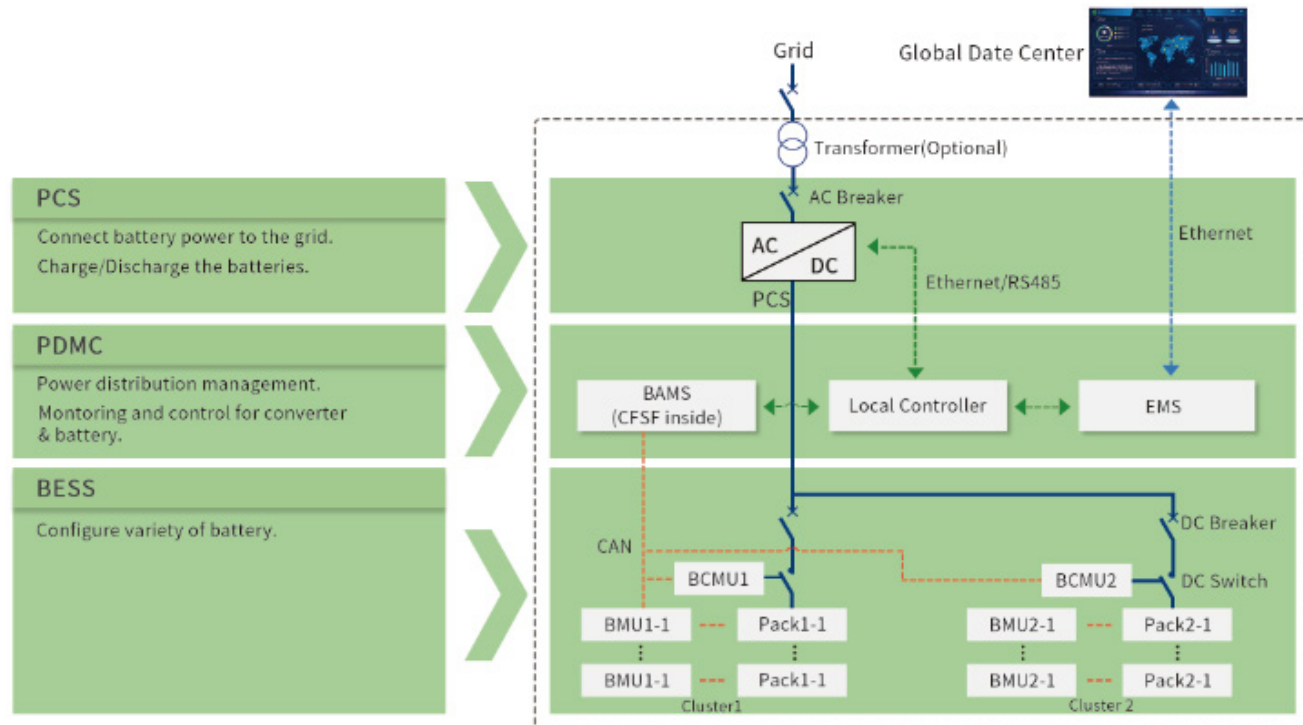
- Renewable Capacity Firming
- Back up Power & Load Following
- Power Factor & Ramp Rate Control
- Renewable Power Smoothing
- Frequency & Voltage Regulation
- Arbitrage Energy Trading & Time Shifting
- Microgrid Operation
- Peak Shaving
- T&D investment deferral

Technical Advantage

Modular Designs: Various battery capacities ranging from 300 Ah to 1000 Ah. Configurable PCS solutions from 100 kW to 1 MW. Standardized monitoring and management platform (SMMP) and Smart dynamic environment monitoring including monitoring for firefighting, alarm, temperature and humidity.

High Performance Battery Solution: Selected and optimized lead carbon batteries for enhanced life cycle. BMS balance mode options for active and passive strategies. Originally designed Cluster Flexible Switching Function (CFSF) in order to ensure safe, reliable and resilient operation of battery system.

Flexible Operation Mode: Support both grid-connected and off-grid applications with seamless transition mode. Highly integrable for various auxiliary functions.



*Passion for Storage
and Green Energy*

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Battery Specifications

Type	LLC-300	LLC-400	LLC-500	LLC-600	LLC-800	LLC-1000
Nominal Voltage(V)	2	2	2	2	2	2
Length(mm)	125	154	183	212	299	357
Width(mm)	207	207	207	207	211	211
Height(mm)	358	358	358	358	358	358
Overall Height(mm)	372	372	372	372	372	372
Rated Capacity(C10,Ah)	300	400	500	600	800	1000
Terminal	M8	M8	M8	M8	M8	M8
Terminal Torque(Nm)	15-17	15-17	15-17	15-17	15-17	15-17
Internal Resistance(mΩ)	0.34	0.3	0.29	0.28	0.25	0.24
Short-circuit Current(A)	6400	6800	7300	7500	8800	9100
Weight(kg)	21.8	28.3	34.3	40.6	56.2	69

Application Cases



Photovoltaic and Battery Energy Storage System



Active Distribution Network Battery Energy Storage System



Photovoltaic, EV Charging and Battery Energy Storage System



IDC Backup and Battery Energy Storage System



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