



Envision
Net Zero Tech Partner

DC Container Products

Liquid Cooled Energy Storage System



Enhanced Safety

- Prevention by design: high quality cells, advanced BMS, system level protection
- AI-IoT based fault detection and gas detection Active ventilation system, backup water sprinkler system Automatic fire suppression system, total flooding aerosol, integrated fire protection system
- Containment: aerogel pads, fire-rated enclosure, deflagration protection



Low Cost

- Large-capacity 315 Ah LFP cell, long life of 12,000+ cycles
- Highly integrated design, 20 ft container with 5.03 MWh BOP cost reduction
- Space-saving: support side-by-side & back-to-back layout
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Convenient O&M

- Multi-system topology options, providing the optimal solution for difference application scenarios from generation, grid, and loads
- Improved tooling for long pack replacement, which fits a standard forklift to streamline site O&M
- Pack replacement : ≤ 1 hour
- Quick-plug interface between pack and liquid cooling pipe



Comprehensive Product Solutions

- Low noise scenarios
- Harsh environment scenarios
- Grid-forming scenarios



DC Container Product Datasheet			
Battery Data			
Cell Type	LFP 315 Ah		
Battery Configuration	416S2P x 6		
Nominal Capacity	5.03 MWh (6-Rack Container)		
Nominal Voltage	1331.2 Vdc		
Voltage Range	1123.2 - 1497.6 Vdc		
Rated Discharge / Charge Rate	≤0.5 P		
General Data			
Dimensions (L×W×H)	6058 mm x 2438 mm x 2896 mm		
Weight	41 t		
IP Rating	IP55 (Pack IP67)		
Corrosion-Proof Grade	C4H (C5H Optional)		
Operating Noise	Low Noise Version @ 25° < 56dB(A) SPL at 1m at 0.5P Standard Version @ 25° < 61dB(A) SPL at 1m at 0.5P		
Operating Temperature Range	-30 - 50 °C (>45°C de-rating)		
Operating Humidity Range	0 - 95 %, Non-condensing		
Operating Altitude	≤2000 m		
Cooling Method	Liquid Cooled		
Fire Protection Design	Total flooding aerosol-based fire extinguishing system, Fire-resistance rated enclosure for 1 hour, Active ventilation (NFPA 69), Deflagration panel (NFPA 68, optional), Backup water sprinkler system (optional)		
Compliance	UL 9540A, UL 1642, UL 1973, IEC 62933, IEC 62619, IEC 63056, IEC 62477, IEC 61000 - 6 - 2, IEC 61000 - 6 - 4, UN 38.3, UKCA, CE, NFPA 855, AS3000		
Example Configurations	2 Hours Application - ENS - LC10060 - 5500 - 00	3 Hours Application - ENS - LC20120 - 6900 - 00	4 Hours Application - ENS - LC20120 - 5500 - 00
System Duration	2 Hours	3 Hours	4 Hours
No. of DC Containers	2	4	4
Racks per DC container	6	6	6
BOL DC Capacity	10060 kWh	20120 kWh	20120 kWh
AC Unit Model	TwinSkid 5500	TwinSkid 6900	TwinSkid 5500
Rated PCS Power	2750 kW x 2	3450 kW x 2	2750 kW x 2