

Utility-Scale Liquid Cooling Containerized Energy Storage System

Model: LC1-1M-2170K
1MW/2.17MWh



- Ultra-Large Capacity: 2.17MWh per container
- Advanced Cooling: Liquid + forced air cooling
- High Density: 2MWh+ in 6m container. Grid Ready: Frequency/voltage regulation
- Dual Fire Suppression: Aerosol + water spray. High Protection: IP55, C4/C5 anti-corrosion

DC Side	
Cell Type	LFP / 314Ah
Pack Configuration	48.2 kWh / 1P48S
System Configuration	2,170 kWh / 9P240S
Rated DC Voltage	768 V
DC Voltage Range	672 ~ 864 V
Max. Charge/Discharge Rate	0.5 P
Max. Depth of Discharge	100% (25 ± 2 °C)
AC Side	
Rated Output Power	1,000 kW
Max. Apparent Power	1,100 kVA
Rated AC Voltage	400 V
AC Voltage Range	± 15%
Grid Type	3W+N+PE
Rated Frequency	50 Hz / 60 Hz
Power Factor	0.99/ -1 ~ +1
THDi	≤ 3%
DC Ratio	< 0.5% I _{pn}
General Data	
Round Trip Efficiency	≥ 88%
Cycle Life	≥ 8,000 cycles
Communication	Modbus TCP/IP
Fire Suppression System	Aerosol system(pack level and container level), water spray system
Ingress Rating	IP55
Cooling	Liquid cooling+Forced air cooling
Operating Temperature	-25°C ~55°C (Derating after 45°C)
Anticorrosion Rating	C4 (C5 optional)
Humidity	5~95% RH (non-condensing)
Noise	≤ 80 dB
Altitude	4,000m (Derating above 2,000m)
Dimensions (W*D*H)	6,058*2,438*2,591 mm
Weight	28 t
Certification	UN38.3, IEC62477-1, CE/EMC, IEC62619, IEC63056, UL9540A, IEC62933 EN50549

A pre-integrated containerized solution with up to 2.17MWh per container, featuring advanced liquid cooling and dual fire suppression. It is used for grid-side peak shaving and frequency regulation, microgrids in large industrial parks, or providing large-scale, long-duration backup for data centers.