

C&I ESS Container Solution

1MW/1.72MWh~1MW/2.03MWh All-in-one Liquid-Cooling Battery Container BESS



Scaled Energy Storage

High Power and Large Capacity Integration



Safe and Reliable

LFP battery, multiple protection design, Long cycle life, slow degradation



User-friendly

Intelligent remote operation and maintenance, visualization platform for real-time monitoring, suitable for full-scene applications



Customizable

Customized solutions according to customer needs, accurately matching different industrial and commercial energy use scenarios

Model	HC1720L	HC2000L
AC (On-grid)		
Rated Power	1MW	
Rated Voltage	400V	
Maximum Current	1588A	
Wiring Method	3P4L+PE	
Frequency	50Hz/60Hz	
Power Factor	1 (Leading)~1 (Lagging)	
THDi	≤3% (Rated Power)	
AC (Off-grid)		
Rated Power	1MW	
Rated Voltage	400V	
Maximum Current	1588A	
Wiring Method	3P4L+PE	
Frequency	50Hz/60Hz	
THDu	≤2% (Linear Load)	
Battery		
Battery Type	LiFePO4	
Battery Cell	3.2V/280Ah	3.2V/306Ah
Battery Pack Configuration	1P48S	1P52S
Battery Pack Quantity	5 Packs/Cluster	
Battery Cluster Quantity	8 Clusters	
Rated Current	140A*8	153A*8
Voltage Range	648~864V	702~936V
Rated Capacity	1720.32kWh	2036.736kWh
System		
Weight	22.5T	≤30T
Dimensions (W/D/H)	6058*2438*2896mm	6608*2600*2896mm
Maximum Efficiency	≥87%	
Liquid Cooling Power	45kW (Cooling), 9kW (Heating)	45kW (Cooling), 16kW (Heating)
Temperature	-30~55°C (De-rating over 45°C)	
Humidity	5%~95%RH (Non-Condensation)	
Protection Level	IP54	
Anti-corrosion Rating	C4	
Cooling Method	Liquid Cooling	
Noise	≤75dB	
Altitude	≤2000m	
Display	HMI	
Fire Protection	FM-200	
Communication	Ethernet	
Certification	CE, UN38.3	
Charge / Discharge Rate	0.5CP	
Depth Of Discharge	90%	
Cycle Life	≥6000 Cycles (80% SOH @ Standard)	