

C&I ESS Container Solution

500kW/1075kWh(0.5C)~1MW/1.1MWh(1C) All-in-one Air-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	HC1075A	HC1100A
AC (On-grid)		
Rated Power	500kW	1MW
Rated Voltage	400V	
Maximum Current	794A	1588A
Wiring Method	3P4L+PE	
Frequency	50Hz/60Hz	
Power Factor	1 (Leading)~1 (Lagging)	
THDi	≤3% (Rated Power)	
AC (Off-grid)		
Rated Power	500kW	1MW
Rated Voltage	400V	
Maximum Current	794A	1588A
Wiring Method	3P4L+PE	
Frequency	50Hz/60Hz	
THDu	≤2% (Linear Load)	
Battery		
Battery Type	LiFePO4	
Battery Cell	3.2V/280Ah	3.2V/120Ah
Battery Pack Configuration	1P16S	2P16S
Battery Pack Quantity	15 Packs/Cluster	
Battery Cluster Quantity	5 Clusters	6 Clusters
Rated Current	140A*5	240A*6
Voltage Range	648~864V	
Rated Capacity	1075.20kWh	1105.92kWh
System		
Weight	15T	19.5T
Dimensions (W/D/H)	6058*2438*2896mm	
Maximum Efficiency	≥85%	
Liquid Cooling Power	25kW (Cooling), 9kW (Heating)	40kW (Cooling), 9kW (Heating)
Temperature	-20°C~50°C (De-Rating Over 45°C)	
Humidity	5%~95%RH (Non-Condensation)	
Protection Level	IP54	
Anti-corrosion Rating	C4	
Cooling Method	Air Cooling	
Noise	≤75dB	
Altitude	3000m (>3000m Derating)	
Display	HMI	
Fire Protection	FM-200	
Communication	Ethernet	
Certification	CE, UN38.3	
Charge / Discharge Rate	0.5CP	1CP
Depth Of Discharge	90%	
Cycle Life	≥6000 Cycles (80% SOH @ Standard)	