

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℃~50℃ (De-Rating Over 45℃)			
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)			