

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)