

C&I ESS Cabinet Solution

100kW/186kWh~500kW/1075kWh Battery ESS Split Cabinet



Safe and Reliable

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



CCS Module Design

Flexible configuration and easy expansion



High Compatibility

215kWh battery cabinet, DC part can be compatible with 186kWh~1075kWh, AC part can be compatible with 100kW~500kW



User-friendly

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

Model	HC645S		HC860S	HC1075S
AC (On-grid)				
Rated Power	300kW		400kW	500kW
Maximum Current	476A		635A	794A
Rated Voltage	400V			
Wiring Method	3P4L+PE			
Frequency	50Hz/60Hz			
Power Factor	1 (Leading)~1 (Lagging)			
THDi	<2% (Rated Power)			
AC (Off-grid)				
Rated Power	300kW		400kW	500kW
Rated Voltage	400V			
Maximum Current	476A		635A	794A
Wiring Method	3P4L+PE			
Frequency	50Hz/60Hz			
THDu	<3% (Linear Load)			
Battery				
Battery Type	LiFePO4			
Battery Cell	3.2V/280Ah			
Battery Pack Configuration	1P16S			
Battery Pack Quantity	15 Packs/Cluster			
Battery Cluster Quantity	3 Clusters		4 Clusters	5 Clusters
Rated Current	140A*3		140A*4	140A*5
Voltage Range	648~864V			
Rated Capacity	645.12kWh		860.16kWh	1075.20kWh
System				
Weight	<9T		<11.5T	<14T
Dimensions (W/D/H)	1212*1104*2321mm*3+1850*1100*2330mm		1212*1104*2321mm*4+1850*1100*2330mm	1212*1104*2321mm*5+1850*1100*2330mm
Maximum Efficiency	≥85%			
Air Conditioning Power	3kW (Cooling), 2.5 kW (Heating)*3		3kW (Cooling), 2.5 kW (Heating)*4	3kW (Cooling), 2.5 kW (Heating)*5
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	2000m (>2000m Derating)			
Display	HMI			
Fire Protection	Aerosol			
Communication	Ethernet			
Certification	CE, UN38.3			
Charge/Discharge Rate	0.5CP			
Depth Of Discharge	90%			
Cycle Life	≥6000 Cycles (80% SOH @ Standard)			