

C&I ESS Cabinet Solution

100kW/215kWh~250kW/522kWh All-in-one Battery Cabinet ESS



CCS Module Design

Flexible configuration and easy expansion



Safe and Reliable

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



Strong Applicability

IP54-rated protection, C4 anti-corrosion level, standard cabinet design



High Expandability

Multiple parallel units can be AC converged without circulating current



High-degree Integration

Saves 15%~25% of floor space

Model	HC215L	HC233L	HC261L	HC522L
AC (On-grid)				
Rated Power	100kW	110kW	125kW	250kW
Maximum Current	158.76A	174.65A	198.47A	396.94A
Rated Voltage	400V			
Wiring Method	3P4L+PE			
Frequency	50Hz/60Hz			
Power Factor	1 (Leading)~1 (Lagging)			
THDi	≤ 3% (Full Load)	<3% (Rated Power)	<2% (Rated Power)	<3% (Rated Power)
AC (Off-grid)				
Rated Power	100kW	110kW	125kW	250kW
Rated Voltage	400V			
Maximum Current	158.76A	174.65A	198.47A	396.94A
Wiring Method	3P4L+PE			
Frequency	50Hz/60Hz			
Unbalanced Load	100%			
THDu	<3% (Linear Load)			
Battery				
Battery Type	LiFePO4			
Battery Cell	3.2V/280Ah		3.2V/314Ah	
Battery Pack Configuration	1P48S	1P52S		
Battery Pack Quantity	5 Packs			5 Packs/Cluster*2
Rated Current	140A	140A	157A	157A*2
Voltage Range	648~864V	676~949V	702~936V	689~949V
Rated Capacity	215.04kWh	232.96kWh	261.25kWh	522.50kWh
System				
Weight	≤3000kg	≤3500kg	≤3500kg	≤5000kg
Dimensions (W/D/H)	1550*1400*2100mm	1050*1350*2500mm	1550*1400*2100mm	1950*1300*2300mm
Maximum Efficiency	≥87%	≥87%	≥87%	≥87%
Temperature	-30~55℃ (De-rating over 45℃)			
Humidity	5%~95%RH (Non-Condensation)			
Protection Level	IP54			
Anti-corrosion Rating	C4			
Cooling Method	Liquid Cooling			
Noise	≤75dB			
Altitude	≤2000m			
Display	LCD			
Fire Protection	FK-5-1-12			
Communication	LAN,RS485	Ethernet/CAN/RS485 4G (optional)		
Certification	CE, UN38.3			
Charge/Discharge Rate	0.5CP			
Depth Of Discharge	90%DOD			
Cycle Life	≥6000 Cycles (80% SOH @ Standard)			