

Air Cooling/Liquid Cooling 300kW/723kWh~500kW/1205kWh Distributed Cabinet BESS

C&I BESS Cabinet Solution

Available battery cabinet options:
241kWh, 261kWh, 418kWh, and 522kWh



Distributed Modular Design

723kWh~1205kWh flexible configurations, separated battery and PCS cabinets enable parallel connection of multiple units for optimized site layout



Flexible AC Coupling

Independent PCS cabinet with on-grid/off-grid seamless switch; 3P4L+PE wiring fits standard industrial distribution



High PV Integration Capability

600kW~720kW max PV input with 10~12 MPPT channels, optimized for large rooftop and ground-mount solar projects



Cluster-Level BMS Management

Independent cluster monitoring prevents system-wide downtime, modular battery pack design for convenient maintenance



Rapid Global Deployment

Standard container-compatible dimensions, CE/UN38.3 certified, modular design simplifies logistics and on-site assembly

Model	HC-UPSSP723 300kW/723kWh	HC-UPSSP964 400kW/964kWh	HC-UPSSP1205 500kW/1205kWh
AC (On-grid)			
Rated Power	300kW	400kW	500kW
Max. imum 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		
Max. imum Current	476A	635A	794A
Wiring Method	3P4L+PE		
Frequency	50Hz/60Hz		
THDu	<3% (Linear Load)		
Battery			
Cell Type	LiFePO4		
Battery Cell	3.2V/314Ah		
Battery Pack Configuration	1P16S		
Battery Pack Quantity	15 Packs/Cluster		
Battery Cluster Quantity	3 Clusters	4 Clusters	5 Clusters
Rated Current	157A*3	157A*4	157A*5
Voltage Range	648~864V		
Rated Capacity	723.45kWh	964.60kWh	1205.76kWh
PV			
Max. imum PV Input Voltage	1000V		
Max. imum PV Power	600kW/660kW/720kW		
Number of MPPT Modules	10/11/12		
MPPT Voltage Range	250V-850V		
MPPT Full-Load Voltage Range	450V-850V		
System			
Weight	<9T	<11.5T	<14T
Dimensions (W/D/H)	1200*1000*2125mm*3 +1850*1100*2330mm	1200*1000*2125mm*4 +1850*1100*2330mm	1200*1000*2125mm*5 +1850*1100*2330mm
RTE	≥85%		
Air Conditioning Power	2kW (Cooling),1.5kW (Heating)*3	2kW (Cooling),1.5kW (Heating)*4	2kW (Cooling),1.5kW (Heating)*5
Temperature	-20℃~50℃ (>45℃ De-Rating)		
Humidity	5%~95%RH (Non-Condensation)		
IP Rating	IP54		
Anti-corrosion Rating	C4		
Cooling Method	Air Cooling		
Noise	≤75dB		
Altitude	2000m		
Display	HMI		
Fire Suppression Agent	Aerosol / FK-5-1-12		
Communication	CAN / RS485 / WiFi / Ethernet		
Certification	CE,UN38.3		
Charge/Discharge Rate	0.5CP		
Depth Of Discharge	90%		
Cell Cycle Life	≥8000 Cycles (80%SOH @Standard Cycle)		

System Diagram

