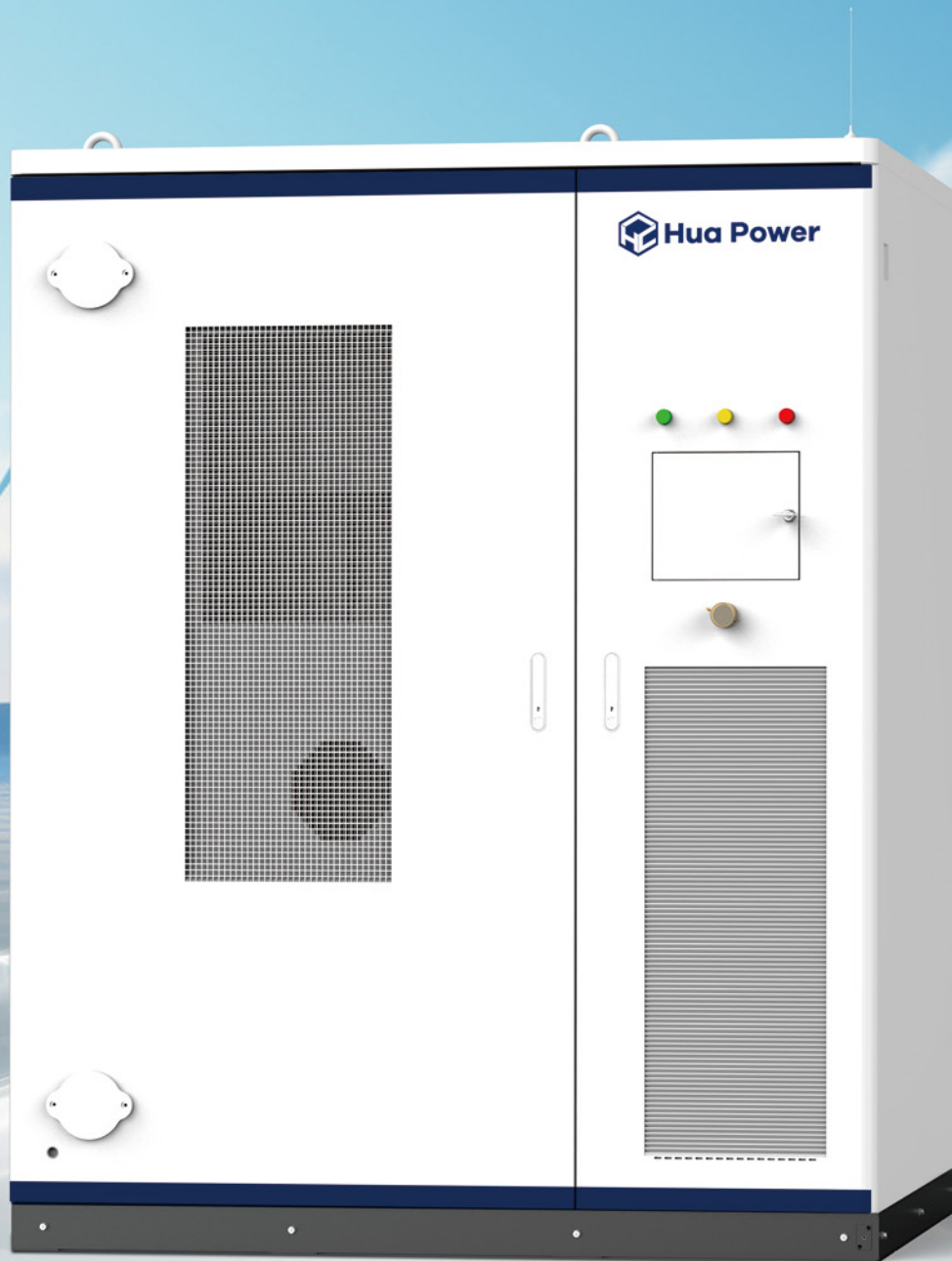


C&I BESS Cabinet Solution

100kW/215KWh PV+Battery ESS All-in-one Cabinet



Safe and Reliable

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



CCS Module Design

Flexible configuration and easy
expansion



Short Response Time

System response time < 20ms, full
power and auxiliary service demand



User-friendly

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



Flexible Switching Off-grid

Support multi-machine parallel, support-
grid-connected or off-grid operation, optional
photovoltaic, diesel generators, etc

Model	HC215P	HC215 (AC Coupled)
AC (On-grid)		
Rated Power	105kW	100kW
Maximum Current	167A	158.76A
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	105kW	100kW
Rated Voltage	400V	
Maximum Current	167A	158.76A
Wiring Method	3P4L+PE	
Frequency	50Hz/60Hz	
THDu	<3% (Linear Load)	
Battery		
Battery Type	LiFePO4	
Battery Cell	3.2V/280Ah	
Battery Pack Configuration	1P16S	1P48S
Battery Pack Quantity	15 Packs/Cluster	5 Packs/Cluster
Rated Current	140A	
Voltage Range	648~864V	
Rated Capacity	215.04KWh	
PV		
Max. Usable PV Input Power	120kW	/
Max. Input Current	50A*4	/
Max. Short Circuit Current	60A*4	/
Max. Input Voltage	900V	/
MPPT Voltage Range	200V-850V	/
Start-up Voltage	250V	/
MPPT Number	4	/
System		
Weight	2.8T	2.5T
Dimensions (W/D/H)	1800*1100*2250mm	1600*1103*2254mm
Maximum Efficiency	≥85%	
Air Conditioning Power	3kW (Cooling), 2.5 kW (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	2000m (>2000m Derating)	
Display	LCD	
Fire Protection	FK-5-1-12	
Communication	Ethernet	
Certification	CE, UN38.3	
Charge/Discharge Rate	0.5CP	
Depth Of Discharge	90%DOD	
Cycle Life	≥6000 Cycles (80% SOH @ Standard)	