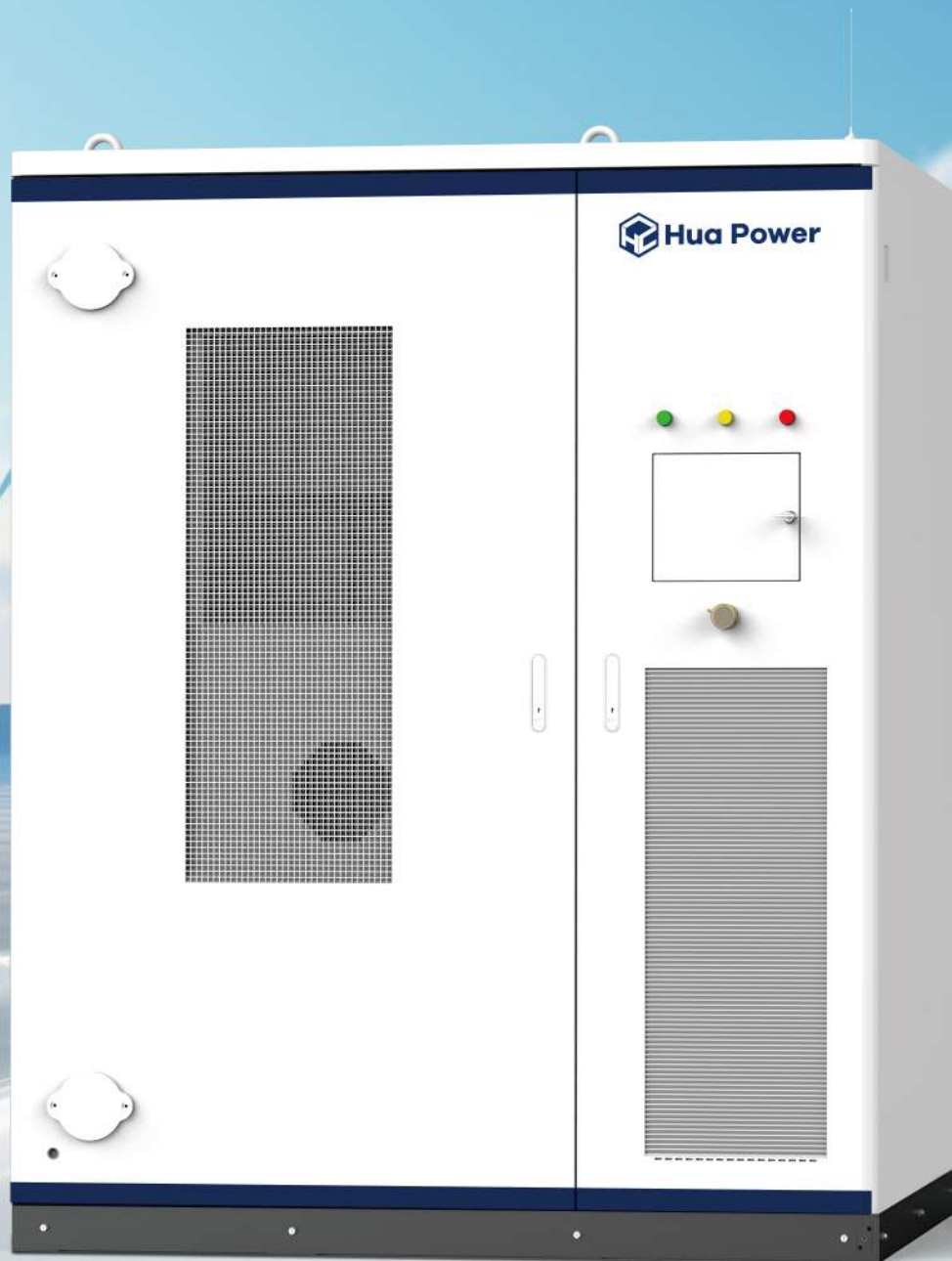


C&I ESS Cabinet Solution

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
AC (On-grid)	
Rated Power	105kW
Maximum Current	167A
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
Rated Voltage	400V
Maximum Current	167A
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
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
Dimensions (W/D/H)	1800*1100*2250mm
Maximum Efficiency	≥85%
Air Conditioning Power	3kW (Cooling), 2.5 kW (Heating)
Temperature	-20℃~50℃ (De-Rating Over 45℃)
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	Aerosol
Communication	Ethernet
Certification	CE, UN38.3
Charge/Discharge Rate	0.5CP
Depth Of Discharge	90%DOD
Cycle Life	≥6000 Cycles (80% SOH @ Standard)