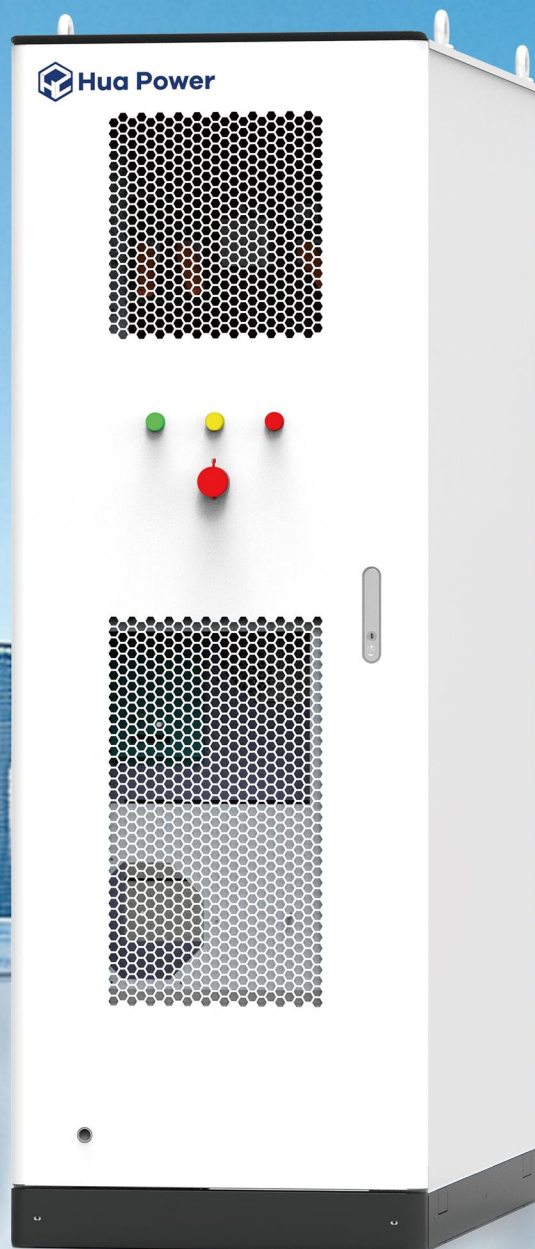


C&I ESS Cabinet Solution

# 60kWh PV+Battery ESS All-in-one Cabinet



## Scaled Energy Storage

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



## CCS Module Design

Flexible configuration and easy expansion



## Flexible Switching Off-grid

Abundant PV+Diesel interfaces, flexible  
off-grid switching, easy installation



## Multiple Operation Modes

Supports simultaneous connections of load batteries, power  
grid, diesel generators, and photovoltaics



## User-friendly

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

Model	HC60P-100A		HC60P-100B	
AC (On-grid)				
Rated Power	50kW			
Maximum Current	72A			
Rated Voltage	400V			
Wiring Method	3P4L+PE			
Frequency	50Hz/60Hz			
Power Factor	0.8 (Leading)~0.8 (Lagging)			
THDi	<5% (>30% Rated Power)			
AC (Off-grid)				
Rated Power	50kW			
Rated Voltage	400V			
Maximum Current	72A			
Wiring Method	3P4L+PE			
Frequency	50Hz/60Hz			
THDu	<3% (Linear Load)			
Battery				
Battery Type	LiFePO4			
Battery Cell	3.2V/100Ah			
Battery Pack Configuration	1P16S		1P32S	
Battery Pack Quantity	12 Packs/Cluster		6 Packs/Cluster	
Rated Current	50A		50A	
Voltage Range	518.4~691.2V		518.4~691.2V	
Rated Capacity	61.44kWh		61.44kWh	
PV				
Max. Usable PV Input Power	19.2kW*2		19.2kW*2	
Max. Input Current	32A*2		32A*2	
Max. Short Circuit Current	50A*2		50A*2	
Max. Input Voltage	850V		850V	
MPPT Voltage Range	200V~830V		200V~830V	
Start-up Voltage	250V		250V	
MPPT Number	2		2	
System				
Weight	<3T			
Dimensions (W/D/H)	Be Pending			
Maximum Efficiency	≥85%			
Air Conditioning Power	2kW (Cooling), 1 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)			