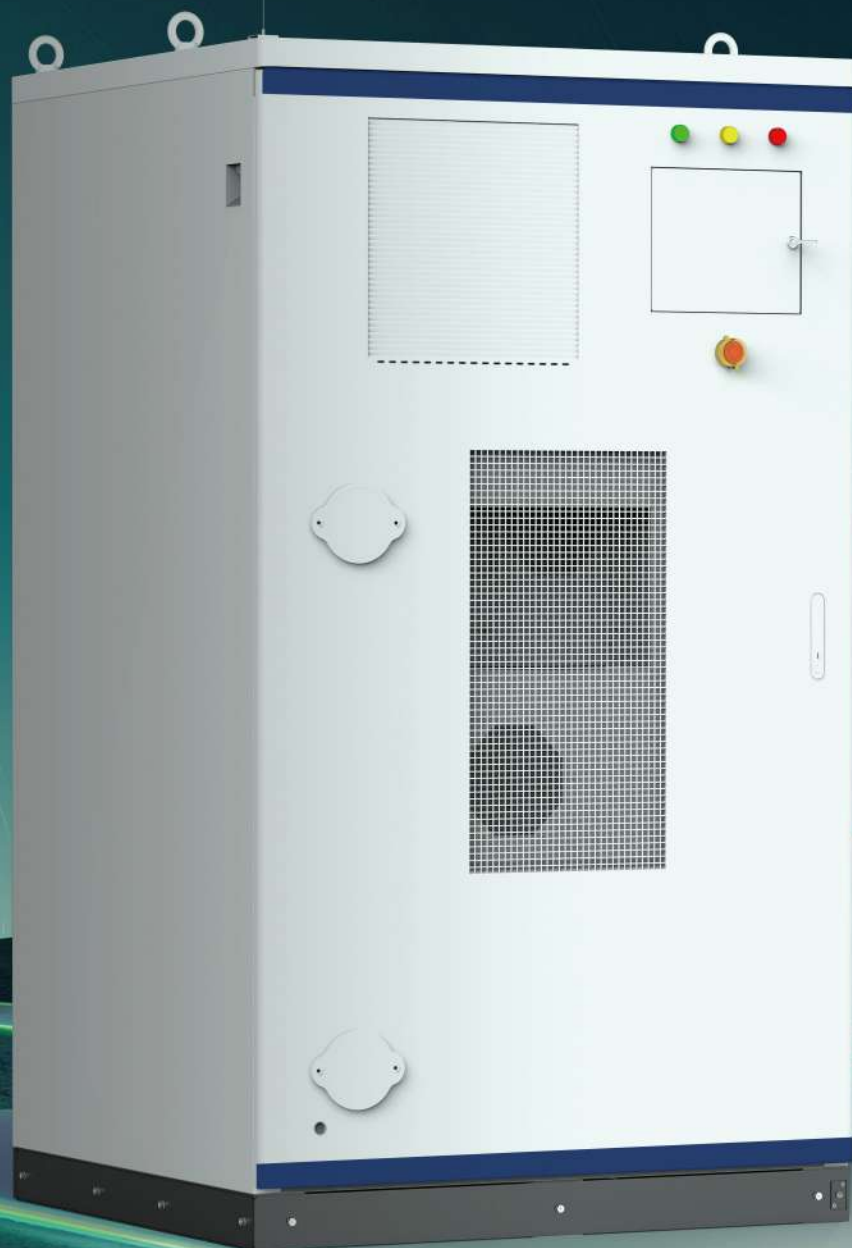


C&I ESS Cabinet Solution

60kW/129kWh PV+Battery ESS All-in-one Cabinet



Safe and Reliable

LFP battery, multiple protection design



CCS Module Design

Flexible configuration and easy expansion



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	HC129P
AC (On-grid)	
Rated Power	60kW
Maximum Current	87A
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	60kW
Rated Voltage	400V
Maximum Current	87A
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	9 Packs/Cluster
Rated Current	140A
Voltage Range	388.8~518.4V
Rated Capacity	129.024kWh
PV	
Max. Usable PV Input Power	19.2kW*4
Max. Input Current	32A*4
Max. Short Circuit Current	50A*4
Max. Input Voltage	850V
MPPT Voltage Range	200V~830V
Start-up Voltage	250V
MPPT Number	4
System	
Weight	1.5T
Dimensions (W/D/H)	1200*1100*2100mm
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)