

C&I Air-Cooled Energy Storage System 29.9-60KW/100-120KWh

Main Features

1〉 Supports multiple brands of hybrid inverters for flexible system compatibility.
2〉 Modular design supports parallel connection for convenient system expansion.
3〉 Integrated with LFP314Ah battery cells and 3S fusion technology for optimized system integration.
4〉 IP55 protection with optimized ventilation design ensures safe and reliable operation.
5〉 0.96㎡ footprint enables easy transportation and convenient installation.
6〉 Supports PV connection with higher system integration capability.
7〉 Supports multiple operation and maintenance methods, including onsite and cloud management.
8〉 Achieves up to 90% RTE and 100% DOD for economical and efficient energy utilization.

MODEL	C-120A-H										
Battery Cabinet											
Cell Type	LFP/314Ah										
Pack Configuration	20.096 kWh/1P20S										
System Configuration	100.48KWh/1P100S					120.576 kWh/1P120S					
Rated DC Voltage	320V					384V					
DC Voltage Range	280~360V					336～432V					
Max.Charge/Discharge Rate	0.5P										
Max.Depth of Discharge	100%(25±2℃)										
Cycle Life	≥8,000 cycles										
PV Input											
Max.input power	59.8KW	60KW	80KW	98KW	100KW	59.8KW	60KW	80KW	98KW	100KW	100KW
PV Voltage Range	150~850V										
MPPT	3		4			3		4			
Max.input Curent	40A*3		40A*4			40A*3		40A*4			
AC Side											
Rated Output Power	29.9kW	30kW	40kW	49kW	50kW	29.9kW	30kW	40kW	49kW	50kW	60kW
Rated AC Voltage	400V										
AC Voltage Range	±15%										
Grid Type	3W+N+PE										
Rated Frequency	50Hz/60Hz										
Power Factor	0.99/-0.8～+0.8										
THDi	≤3%										
DC Ratio	<0.5%Ipn										
General											
Max.Round Trip Efficiency	90%										
Communication	Modbus TCP/IP										
Fire Suppression System	Aerosol										
Ingress Rating	IP55										
Cooling	Air cooling										
Operating Temperature	-25℃~55℃(Derating after 45℃)										
Anticorosion Rating	C4(C5 optional)										
Humidity	0~95%RH(non-condensing)										
Altitude	3000m (Derating above 2000m)										
Dimensions(W*D*H)	800*1,200*2,100 mm(Foundation)										
	1,536*1,377*2,100mm(Entire)										
Weight	1,200kg										
Safety/EMC	UN38.3,IEC62619,IEC63056,IEC62477-1,IEC61000-6-2/4										
Grid code	EN50549-1/-10,EN50549-2/-10,G99,VDE4105,NRS097,C10/11										

Product specifications are subject to change without notice.