

C&I ESS Series

100kWh Air-Cooled Energy Storage System



Modularized Design

8 hour installation to commission



Safe and Reliable

Top safety certifications:
UL9540A, IEC62619, VDE



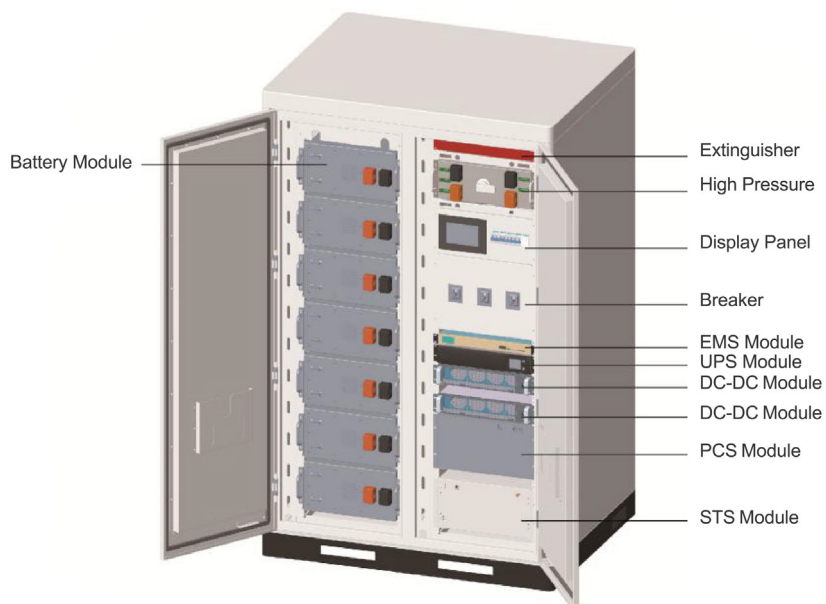
Efficient and Flexible

supports parallel connection and
easy system expansion



Smart and Robust

Fast state monitoring and
faults record



Product Parameters

Parameter	Parameter specification
Inverter	
Specification	50kW
DC Voltage Range	560V~850V
Max. DC Current	90A
AC Voltage Range	320V~460V
Norminal Frequency	50/60Hz(±5adaptive)
Connection Method	3P3L/3P4L
Rated Current	72A
AC Voltage Harmonics	<3%(linear load)
Protection	Battery anti-reverse connection, DC overcurrent protection, Acovercurrent protection, AC overvoltage protection, surge protection
Battery Module Technical Specification	
Weight	110kg
Dimension (W/D/H)	418x770x235mm
Max. Charge/Discharge Current	140A
Battery Capacity	14.336kWh
Nominal Battery Voltage	51.2V
Number of Cycles	>6000@(25°C)
Accreditations	The internal module has the following certifications,IEC62619,IEC61000,UN38.3+MSDS+ sea freight
General Data	
Dimension (W/D/H)	1350x1050x2080mm
Total Weight (with battery)	1.25t
Weight without Battery	0.35t
Ingress Protection	IP54
Rated Power	50kW
System Capacity	100.352kWh(MAX)
BatteryType	LiFePO4
Cooling	Air Conditioner
Application	Outdoor
OperatingTemperature	-30°C~+50°C
Design Life	More than 10 years

