

ESS-GRID Series Cabinet Energy Storage System

SLBATT[®]
Best Solution Lithium Battery

C100 / C200 / C215



High Degree Of Integration



Space-saving



Excellent Protection



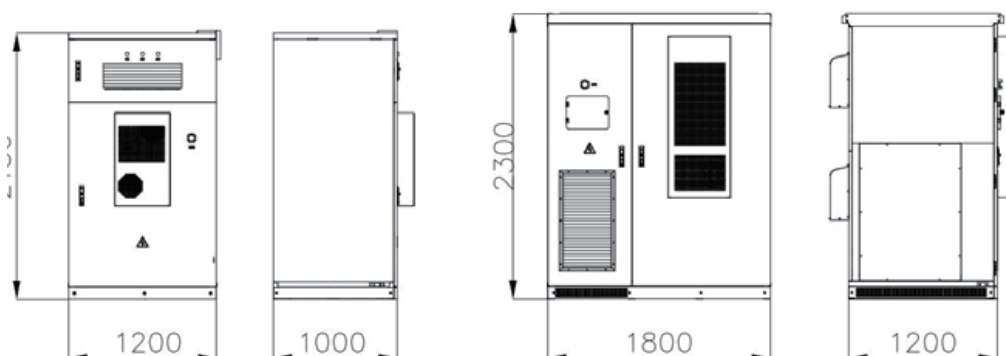
Multifunctional



Intelligent Management (Religion)

ESS-GRID Series	ESS-GRID C100	ESS-GRID C200	ESS-GRID C215
System Parameter	50kW/105kWh	100kW/200kWh	100kW/215kWh
Cooling Method	Air-cooled		
Battery Parameters			
Rated Battery Capacity	105kWh	200kWh	215kWh
Rated System Voltage	512V	716.8V	768V
Battery Type	Lithium Iron Phosphate Battery (LFP)		
Cell Capacity	205Ah	280Ah	280Ah
Battery Series-parallel Connection Method	1P*16S*10S	1P*14S*16S	1P*15S*16S
PV Parameters			
Max. PV Input Voltage	1000V		
Max. PV Power	100kW	200kW	
MPPT Quantity	2/4	4/8	
MPPT Voltage Range	200-850V		
AC Parameters			
Rated AC Power	50kW	100kW	100kW
Nominal AC Current Rating	72A	144A	144A
Rated AC Voltage	400V 3P+N+PE,50Hz		
Total Current Harmonic Distortion (THD)	<3% (Rated Power)		
Power Factor Adjustable Range	1 Ahead ~ +1 Behind		
General Parameters			
Protection Level	IP54		
Fire Protection System	Aerosols/perfluorohexanone/heptafluoropropane		
Isolation Method	Non-isolated (Optional Transformer)		
Operating Temperature	-25~60°C (Derating Above 45°C)		
Poster Height	3000m (>3000m Derating)		
Communication Interface	RS485/CAN2.0/Ethernet/Dry contact		
Dimension (W*H*D)	1200*1000*2150mm	1850*1000*2300mm	1800*1200*2300mm
Weight (With Batteries Approx.)	1750kg	2920kg	3020kg
Certification			
Electric Safety	IEC62619/IEC62477/EN62477		
EMC (Electromagnetic Compatibility)	IEC61000/EN61000/CE		
Grid-connected And Islanded	IEC62116		
Energy Efficiency And The Environment	IEC61683/IEC60068		

Note: The above models are typical configurations, and can also be used for micro-grid and other scenarios with optional photovoltaic charging modules, switching modules, industrial frequency transformers and other components, integrated optical storage, and integrated system cabinets.



Electrical Wiring Diagrams

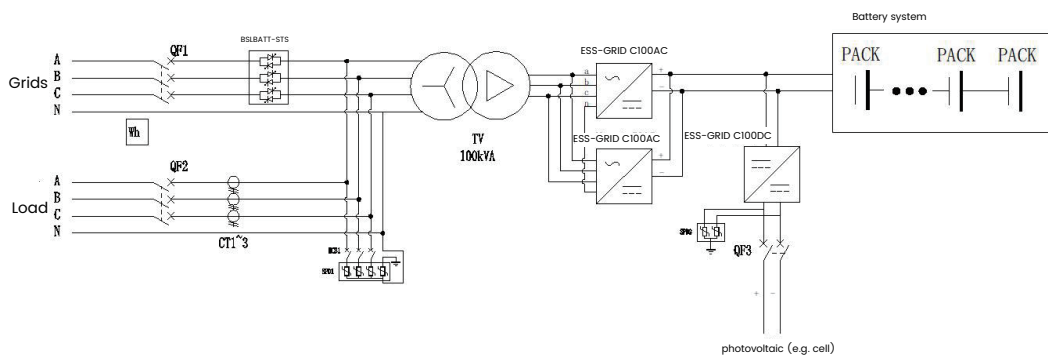
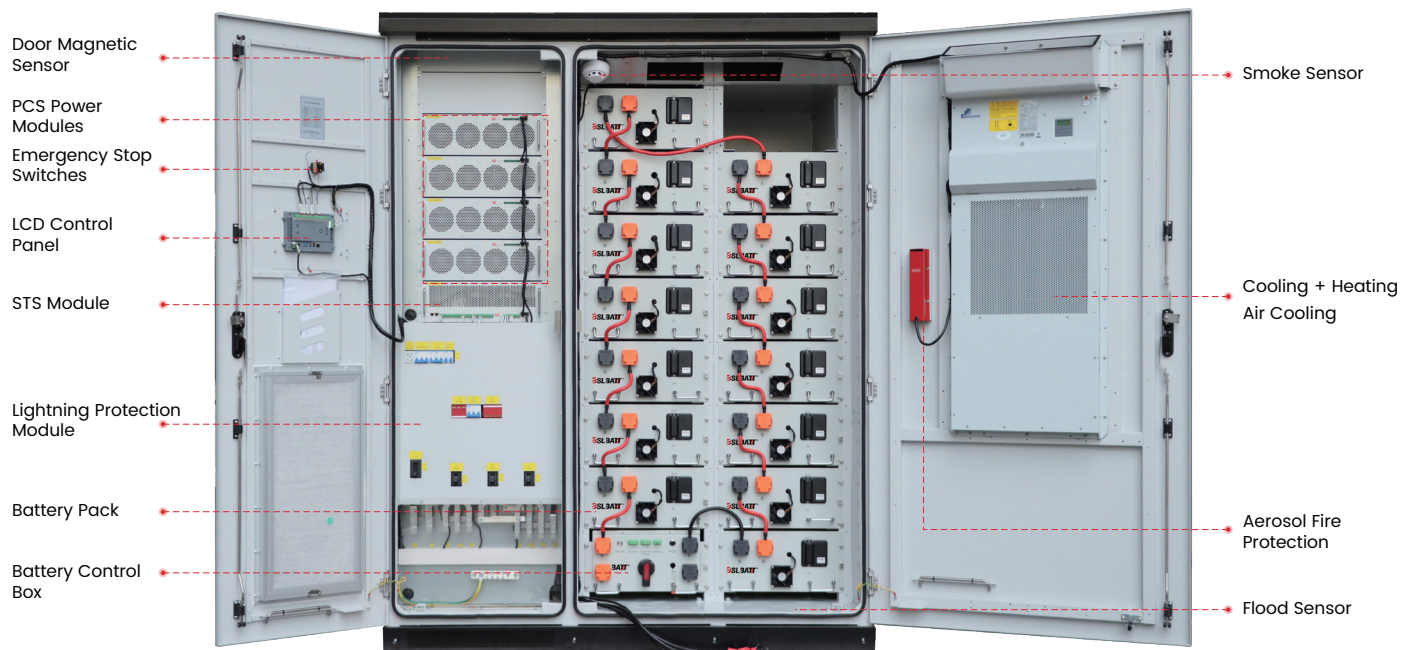


Figure 1 Electrical primary diagram

Note: Figure 1 has and off-grid, with a photovoltaic input system program, different projects with different configurations, the line slightly without isolation variable, with the same, the actual shipment of the attached map shall prevail.

System Productization



Note: Different projects are configured with different battery PACK quantities and specifications, with slightly different structures.
Note: IP54 - Can be put outside provided that it is under cover.



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