

ESS-GRID Cabinet Series

Integrated Turnkey C&I ESS Solution



200kWh/215kWh/225kWh/241kWh
C200 / C215 / C225 / C241

ESS-GRID C200/C215/C225/C241 boasts outstanding performance, making it versatile for applications in farms, livestock, hotels, schools, warehouses, communities, and solar parks. It supports grid-tied, off-grid, and hybrid solar systems.



High degree of integration



Excellent protection



Multifunctional



Space-saving



Efficient and flexible



Intelligent management

Item	General Parameter	
Model	ESS-GRID C225	ESS-GRID C241
System Parameter	125kW/225kWh	125kW/241kWh
Cooling Method	Air-cooled	
Battery Parameters		
Rated Battery Capacity	225kWh	241kWh
Rated System Voltage	716.8V	768.0V
Opearting Voltage Range	627.2V~795.2V	627.0V~852.0V
Cell Capacity	314Ah	
Max. Charge/Discharge Current	157A	
Battery Series-parallel Connection Method	1P*16S*14S	1P*16S*15S
Charge temp./Discharge temp.Method	0~55℃ / -20~55℃	
PV Parameters (Optional; none /50kW/150kW)		
Starting Voltage	200V	
Max. PV Power	150kW	
MPPT Quantity	3	
MPPT Voltage Range	250-620V	
MPPT Full Load Open Circuit Voltage Range (Recommended)*	360V-580V	360V-620V
AC Parameters		
Rated AC Power	125kW	
Nominal AC Current Rating	181A	
Max. AC Current Rating	199A	
Rated AC Voltage	400Vac/230Vac ,3W+N+PE /3W+PE	
DC Side Voltage Range	580~1000V (3P3W) / 670~1000V (3P4W)	
DC Side Full Load Voltage Range	625~927V (3P3W) / 680~927V (3P4W)	
Rated Frequency	50Hz/60Hz(±5Hz)	
Total Current Harmonic Distortion(THDI)	<3% (Rated Power)	
Power Factor Adjustable Range	1 Ahead ~ +1 Behind	
General Parameters		
Protection Level	IP55	
Fire Protection System	Hot-air aerosol	
Isolation Method	Non-isolated (Optional Transformer)	
System Operating Temperature	-25℃~55℃ (>45℃ derating)	
Altitude	3000m	
Communication Interface	RS485 / CAN2.0 / Ethernet	
Dimension (L*W*H,mm)	1850*1430*2300(±5)	
Weight (With Batteries Approx.)	3197kg ±3%	3310kg ±3%
Certification		
Electric Safety	IEC62619/IEC62477/EN62477	
EMC (Electromagnetic Compatibility)	IEC61000/EN61000/CE	
Grid-connected And Islanded	IEC62116	
Energy Efficiency And The Environment	IEC61683/IEC60068	