

ESS-GRID Cabinet Series

Integrated Turnkey C&I ESS Solution



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
(Religion)

Model	ESS-GRID C200	ESS-GRID C215	ESS-GRID C225	ESS-GRID C241
System Parameter	100kW/200kWh	100kW/215kWh	100kW/225kWh	100kW/241kWh
Cooling Method	Air-cooled			
Battery Parameters				
Rated Battery Capacity	200.7kWh	215kWh	225kWh	241kWh
Rated System Voltage	716.8V	768V	716.8V	768V
Battery Type	Lithium Iron Phosphate Battery (LFP)			
Cell Capacity	280Ah	280Ah	314Ah	314Ah
Max. Charge/Discharge Current	140A	140A	157A	157A
Battery Series-parallel Connection Method	1P*16S*14S	1P*16S*15S	1P*16S*14S	1P*16S*15S
PV Parameters (Optional; none /50kW/150kW)				
Max. PV Input Voltage	1000V			
Max. PV Power	100kW		125kW	
MPPT Quantity	2			
MPPT Voltage Range	200-850V			
MPPT Full Load Open Circuit Voltage Range (Recommended)*	345V-580V	345V-620V	360V-580V	360V-620V
AC Parameters				
Rated AC Power	100kW		125kW	
Nominal AC Current Rating	144A		181A	
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	625~950V (3P3W) / 670~950V (3P4W)			
Rated Frequency	50Hz/60Hz(±5Hz)			
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°C~60°C (>45°C derating)			
Poster Height	3000m(>3000m Derating)			
Communication Interface	RS485 / CAN2.0 / Ethernet / Dry contact		CAN/ Ethernet / RS485	
Dimension (L*W*H)	1800*1100*2300mm		1850*1100*2300mm	
Weight (With Batteries Approx.)	2350kg	2400kg	2450kg	3090kg
Certification				
Electric Safety	IEC62619/IEC62477/EN62477			
EMC (Electromagnetic Compatibility)	IEC61000/EN61000/CE			
Grid-connected And Islanded	IEC62116			
Energy Efficiency And The Environment	IEC61683/IEC60068			