



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			
	ESS-GRID C200	ESS-GRID C215	ESS-GRID C225	ESS-GRID C241
Model	ESS-GRID C200	ESS-GRID C215	ESS-GRID C225	ESS-GRID C241
System Parameter	100kW/200kWh	100kW/215kWh	125kW/225kWh	125kW/241kWh
Cooling Method	Air-cooled			
<b>Battery Parameters</b>				
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
Charge temp./Discharge temp.Method	0~55°C / -20~55°C			
<b>PV Parameters</b> (Optional; none /50kW/150kW)				
Max. PV Input Voltage	1000V			
Max. PV Power	100kW		125kW	
MPPT Quantity	3			
MPPT Voltage Range	250-620V			
MPPT Full Load Open Circuit Voltage Range (Recommended)*	345V-580V	345V-620V	360V-580V	360V-620V
<b>AC Parameters</b>				
Rated AC Power	100kW		125kW	
Nominal AC Current Rating	144A			
Max. AC Current Rating	173A			
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			
<b>General Parameters</b>				
Protection Level	IP55			
Fire Protection System	Aerosols / Perfluorohexanone / Heptafluoropropane			
Isolation Method	Non-isolated (Optional Transformer)			
Operating Temperature	-25°C~60°C (>45°C derating)			
Altitude	3000m(>3000m Derating)			
Communication Interface	RS485 / CAN2.0 / Ethernet / Dry contact			
Dimension (L*W*H)	1850*1430*2300mm			
Weight (With Batteries Approx.)	2350kg	2400kg	2450kg	3090kg
<b>Certification</b>				
Electric Safety	IEC62619/IEC62477/EN62477			
EMC (Electromagnetic Compatibility)	IEC61000/EN61000/CE			
Grid-connected And Islanded	IEC62116			
Energy Efficiency And The Environment	IEC61683/IEC60068			