

INDUSTRIAL AND COMMERCIAL ESS

VN-100K-CH200 | VN-100K-CH215



Three phase 100% unbalanced load



Cloud Operations



Intelligent Dehumidification



Intelligent air conditioning cooling system



Flexible expansion
Easy installation and maintenance



PV



Wind



Industrial and
Commercial



Grid Side



Hybrid
Charging



Grid

► Connect Diagram



Model	VN-100K-CH200		VN-100K-CH215
Battery			
Battery Type	LiFePO ₄		
Rated Charge/Discharge Performance	0.5C		
Nomnal Voltage	716.8V	768V	
Operating Voltage Range	627.2-817.6V	672-876V	
Cell Rated Capacity	280Ah	280Ah	
Rate Capacity	200.7kWh	215.04kWh	
Composition	1P224S	1P240S	
AC Output(Grid Side)			
Rated Output Power	100kW		
Max.Output Current	159A		
Rated Grid Voltage	3/N/PE, 230/400V		
Rated Grid Frequency	50/60Hz		
Power Factor	1 (0.9 Leading ~ 0.9 Lagging)		
Total Harmonic Distortion of Current	<3% (@ Rated Power)		
Total Voltage Waveform Distortion Rate	<3% (Linear Load)		
AC Output(Load Side)			
Rated Output Power	100kW		
Max.Output Current	159A		
Rated Output Voltage	3/N/PE, 230/400V		
Rated Output Frequency	50/60Hz		
Unblanced Load Capacity	100%		
General Date			
Ingress Protection	IP54		
Battery Cooling Method	Air-conditioning Cooling		
Fire Protection System	Aerosol		
Relative Humidity	0~95% No-condensation		
Operating Temperature	-20~+50℃		
Altitude	4000m (> 2000m Requires Derating)		
Communication Method	RS485, CAN		
Communication Protocol	Modbus, IEC104		
Reference Weight	2250kg	2450kg	
Reference Size	1550×1235(1050)×2264mm		
Transportation Method	Overall Transportation		
Application Environment	Outdoor		