

VoltaNest

# INDUSTRIAL AND COMMERCIAL

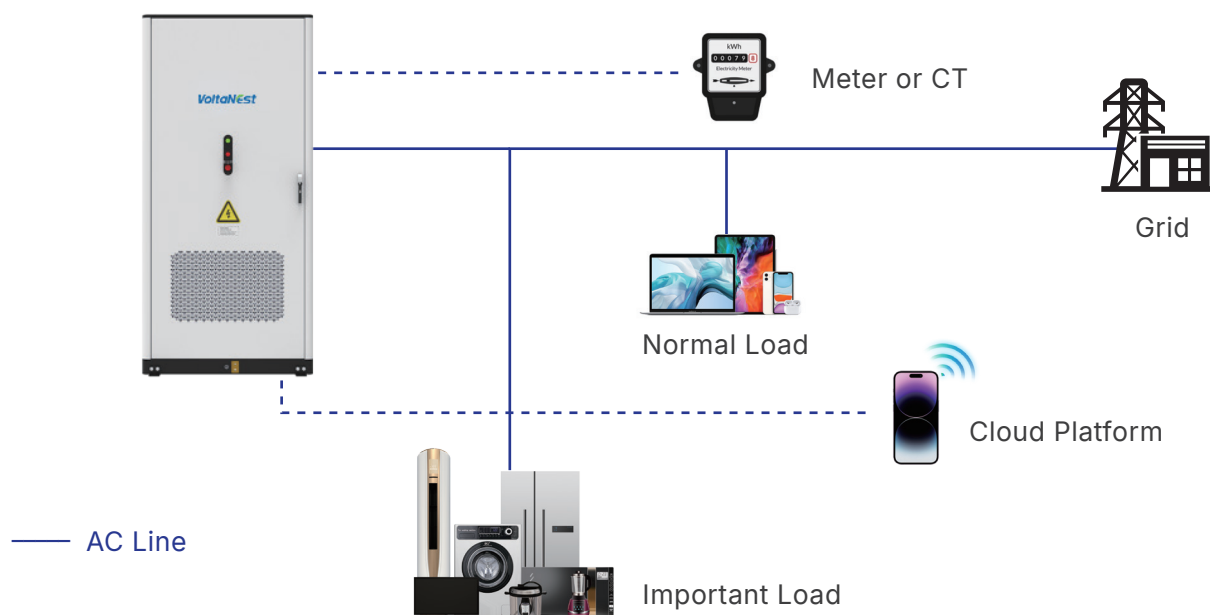
Series

VN-AES100/120/125-HC215/233/241/261



- Supports three-phase 100% unbalanced load.
- Supports remote upgrade and cloud operation and maintenance.
- PACK-level warehouse-level fire protection, safe and controllable.
- Intelligent dehumidification, eliminating condensation risk.
- Flexible expansion, easy installation and maintenance.

## ► Connect Diagram



Model	VN-AES100-HC215	VN-AES100-HC233	VN-AES120-HC241	VN-AES125-HC261
Battery Technical Specification				
Battery Type	LiFePO4			
Charge & Discharge Rate	0.5C/1C	0.5C/1C	0.5C	0.5C
Rated Voltage	768V	832V	768V	832V
Operating Voltage Range	672~876V	728~949V	672~876V	728~949V
Rated Capacity of Battery Cell	280	280	314	314
Rated Battery Energy	215.04kWh	232.96kWh	241.15kWh	261.248kWh
Composition scheme	1P240S	1P260S	1P240S	1P260S
AC Date (On-Grid)				
Rated Output Power	100kW	100kW	120kW	125kW
Max. Output Current	159A	159A	191A	198A
Rated Grid Voltage	3/N/PE, 230V/400V	3/N/PE, 230V/400V	3/N/PE, 400V	3/N/PE, 230V/400V
Rated Grid Frequency	50Hz/60Hz			
Power Factor	>0.99			
Adjustable Power Factor Range	0.9 (leading) ~ 0.9 (lagging)			
DC Component	<0.5% In	<0.5% In	<0.5% In	<0.3% In
Total Current Waveform Distortion Rate	<3% (@ rated power)			
AC Date (Off-Grid)				
Rated Output Power	100kW	100kW	120kW	125kW
Max. Output Current	159A	159A	191A	198A
Rated Output Voltage	3/N/PE, 400V			
Rated Output Frequency	50Hz/60Hz			
Capacity with Unbalanced Load	100%			
General Date				
Protection Level	IP54			
Cooling Method	Battery Compartment (Liquid Cooling), Electrical Compartment (Air Cooling)			
Fire Protection System	Aerosol, Perfluorohexanone			
Relative Humidity	0-99%(No Condensing)			
Operating temperature	-20~+50℃			
Altitude	4000m (> 2000m Derating)			
Communication Method	RS485、CAN			
Communication Protocol	Modbus、IEC104			
Reference Weight	2600kg	2800kg	2350kg	2800kg
Reference Size	1000×1330×2350mm	1000×1400×2400mm	1000×1330×2350mm	1000×1400×2400mm