



Energy Storage Lithium Battery Series (HV)

VN-SH64-R | VN-SH80-R | VN-SH96-R | VN-SH112-R



High Voltage & High Efficiency, Superior Energy Density

With high-voltage battery technology, single-unit capacity ranges from 64.31kWh to 112.54kWh, achieving over 98% energy conversion efficiency, ideal for high-demand residential and commercial applications.



Rack-Mounted Integration, Saves Space & Cost

Standard rack-mounted design integrates seamlessly into existing power infrastructure, significantly reducing installation and maintenance costs while maximizing space utilization.



Wide Voltage Range, Versatile Applications

With a voltage range from 204.8V to 358.4V, it is compatible with various inverters and energy management systems, suitable for residential, commercial backup, and microgrid applications.



Modular Design, Seamless Scalability

The modular architecture allows flexible system configuration based on power needs, supporting parallel connection for easy capacity expansion and future-proof scalability.



Simplified Installation, Rapid Deployment

Pre-assembled modules and plug-and-play interfaces simplify installation, enabling professionals to deploy quickly, reducing labor and time expenses.



Smart BMS, Safe & Reliable

Equipped with an intelligent BMS for real-time monitoring of voltage, temperature, and health status, with protections against over-voltage, over-current, and overheating for long-lasting safety and reliability.

Product Display



Model	VN-SH64-R	VN-SH80-R	VN-SH96-R	VN-SH112-R
Main Parameter				
Cell Chemistry	LiFePO4			
Module Model	SH-PACK16.08-R			
Module Energy	16.08kWh			
Module Nominal Voltage	51.2V			
Module Capacity	314Ah			
Battery System Model	VN-SH64-R	VN-SH80-R	VN-SH96-R	VN-SH112-R
Battery Module Qty In Series (Optional)	4	5	6	7
System Nominal Voltage	204.8V	256V	307.2V	358.4V
System Operating Voltage	169.6~230.4V	212~288V	254.4~345.6V	296.8~403.8V
System Energy	64.31kWh	80.38kWh	96.46kWh	112.54kWh
Charge/Discharge Current	157A			
Other Parameter				
Working Temperature	Charge : 0~55°C; Discharge : -20°C~55°C			
LCD Display	SOC%, Power, Total Voltage			
Communication Port	CAN2.0, RS485, WiFi			
Humidity	15%~85% (No Condensing)			
Altitude	≤2000m			
IP Rating	IP20			
Storage Temperature	0°C~35°C			
Dimension	624×1813×803mm		624×2050×803mm	
Weight	640kg	790kg	960kg	1070kg
Installation Location	Floor Mount			
Recommend Depth of Discharge	0.9			
Cycle Life	≥8000 (25±2°C,0.5C/0.5C,EOL70%)			
Warranty	5 Years			
Certification	UN38.3,MSDS, CE			