



VN-SH20/25/30/35/40/45/50-R

Rack Mount Battery Series



Convenient

Quick installation, standard of 19-inch embedded designed module is comfortable for installation and maintenance.



Safe and Reliable

Cathode material is made from LiFePO4 with safety performance and long cycle life. The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.



Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.



Eco-Friendly

The whole module is non-toxic, non-polluting and environmentally friendly.



Flexible Configuration

Multiple battery modules can be in parallel for expanding capacity and power. Support USB upgrade, wifi upgrade (optional), remote upgrade (Compatible with Deye inverter).



Wide Temperature

Working temperature range is from -20°C to 55°C, with excellent discharge performance and cycle life.



VN-SH20/25/30/35/40/45/50-R

Product Display :



Model	VN-SH20-R	VN-SH25-R	VN-SH30-R	VN-SH35-R	VN-SH40-R	VN-SH45-R	VN-SH50-R
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Main Parameter

Battery Type	LiFePO ₄						
Nominal Battery Energy	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.2kWh
Nominal Capacity	100Ah						
Nominal Voltage	204.8V	256V	307.2V	358.4V	409.6V	460.8V	512V
Operating Voltage	172.8~224V	215~280V	259.2~336V	302.4~392V	345.6~448V	388.8~504V	432~560V
Charge/Discharge Current	50A(Recommended)/100A(Max)						

Other Parameter

Depth of Discharge	90% DOD						
Dimension	538×492×791 mm	538×492×941 mm	538×492×1091 mm	538×492×1241 mm	538×492×1391 mm	538×492×1541 mm	538×492×1691 mm
Weight	195kg	240kg	285kg	330kg	375kg	420kg	465kg
Communication	CAN2.0, RS485,WiFi						
IP Rating	IP20						
Operating Temperature	Charge : 0 ~ 55°C; Discharge : -20°C ~ 55°C						
Shelf Temperature	0°C~35°C						
Humidity	15%~85% (No Condensing)						
Altitude	≤2000 m						
Cycle Life	≥6000 (25°C±2°C, 0.5C / 0.5C, 90%DOD, 70%EOL)						
Installation	Rack Mounting						
Warranty	5 Years						
Certification	UN38.3, MSDS, CE						
Compatible Inverters	SMA/Schneider/Victron Energy/Ingeteam/Solis/GoodWe/Growatt/Soplanet/Luxpower/DEYE etc.						