



VN-SH15/20/25/30/35/40

Rechargeable Li-ion Battery System



Smaller Footprint

Higher energy density benefit from latest LFP technology



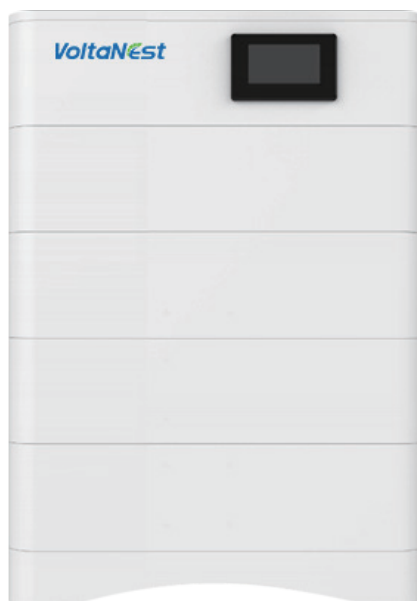
Expandable

Module design
Maximum 5.12kwh*10S*6P



Monitor

Real-time monitoring of battery charging and discharging, online system updates and maintenance



VN-SH15/20/25/30/35/40



Model	VN-SH15	VN-SH20	VN-SH25	VN-SH30	VN-SH35	VN-SH40
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Main Parameter

Battery Type	LiFePO ₄					
Nominal Battery Energy	15.36kWh	20.48kWh	25.60kWh	30.72kWh	35.84kWh	40.96kWh
Nominal Capacity	100Ah					
Nominal Voltage	153.6V	204.8V	256V	307.2V	358.4V	409.6V
Operating Voltage	44.8 ~ 57.6V					
Charge/Discharge Current	40A(Recommend)					

Other Parameter

Depth of Discharge	90% DOD					
Dimension	590×420×698mm	590×420×849mm	590×420×1000mm	590×420×1151mm	590×420×1302mm	590×420×1453mm
Weight	173.9kg	222.4kg	270.9kg	319.4kg	367.9kg	416.4kg
Communication	CAN2.0, RS485, RS232					
IP Rating	IP65					
Operating Temperature	Charge : 0 ~ 45°C; Discharge : -10°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	Stand Stack					
Warranty	5 Years					
Certification	UN38.3, MSDS, CE					
Compatible Inverters	SMA/Schneider/Victron Energy/Ingeteam/Solis/GoodWe/Growatt/Soplanet/Luxpower/DEYE etc.					

System Components

Model	Description	
VHS-HV100	High voltage battery cluster control box	
Operating Voltage	120 750Vdc	
Nominal Charge/Discharge Current	40A	
Max Charge/Discharge Current	50A	
Operating Temperature Range	-10~55°C	
Dimension (W/D/H)	590*420*165mm	
Weight Approximate	18.5kg	
VH-5K	Rechargeable Li-ion Battery Module	
Battery Type	LiFePO4(LFP)	
Nominal Voltage	51.2Vdc	
Rated Capacity	100Ah	
Rated Energy	5.12kWh	
Nominal Charge/Discharge Current	40A	
Peak Discharge Current	50A	
Charge Temperature	0 ~ 45°C	
Discharge Temperature	-10 ~ 55°C	
Storage Temperature	0 ~ 35°C	
Dimension (W/D/H)	590*420*194mm	
Weight Approximate	48.5kg	
VH-Base	Battery module base	
Dimension (W/D/H)	590*420*80mm	
Weight Approximate	9.9kg	
COM Cable	Standard 2-meter communication cable connected to the external device	
		
Cable	Standard 2-meter power cable connected to the external PCS	
6~4 AWG Cable		