

Lithium Iron Phosphate (LiFePO4) Battery

NVS Series

5.1~30 KWH



NVS19 inches rack standard backup battery is based on Lithium iron phosphate battery equipment or energy storage system in household. It has excellent safety power newly of excellent safety and high reliability.

* Custom capacity is acceptable.



High cycle life
6000 cycles @ 80% DOD, 25 for effectively lower total of ownership cost.



Function
Support parallel operation



Longer service life
Low maintenance batteries with stable chemistry.

BATTERY PACK SPECIFICATION				
Item	General Parameter		Item	General Parameter
Voltage	51.2V		Battery Type	LifePO4 (LFP)
Rated Capacity	Typical	100Ah	Operation Temperature Range	Charge: 0~55°C
	Discharge	0.5 C		Discharge: -20~55°C
Voltage at end of Discharge	46.4V		Discharge Cut-off Voltage	40V
Charging Voltage	58.40V		Storage Temperature Range	0°C~45°C
Max Discharging current	100A (50A Recommended)		Dimensions	478*475*132.5mm
Max Charging Current (Icm)	100A (50A Recommended)		Color	Black/White
Limited Charging Voltage (Ucl)	54.75V		Full Weight	42kg±1kg

BASIC PARAMETERS	
Life cycle (80% DOD, 70% SOH, 25°C)	6000 Cycles
Storage time / temperature	5 months @ 25°C; 3 months @ 35°C; 1 month @ 45°C
Operation temperature	Charging 20°C to 45°C Discharging -20°C to 60°C @60+/-25% Relative Humidity
Lithium Battery Standard	CE, ROHS, IEC62619, IEC62133, UN38.3, MSDS
Enclosure protection rating	IP21

BATTERY MANGEMENT SYSTEM FUNCTION
Overcharge detection function
Over discharge detection function
Over current detection function
Short detection function
Temperature detection function
Communication: CAN and RS485