

NLFP-5K-W

lithium LiFePO₄ battery pack



Benefits of Lithium

- High capacity, low weight, increased energy in given space
- Fast charging
- High operational reliability
- Safest lithium technology
- Excellent long life times
- Built-in intelligent BMS to protect the battery pack at any time and prolong its service life
- Maintenance free

Certifications and standards

a. Products

- UL1642(cells)
- FCC
- UN38.3
- IEC62619

b. MS certifications

- ISO9001
- ISO14001
- OHSAS 18001

Specifications

Nominal Characteristic

Battery model	NLFP-5K-W	
Nominal voltage	51.2V	
Typical capacity	100Ah	
Typical energy	5120Wh	
Cells type/chemistry	Prismatic-LiFePO ₄	
Gravimetric Energy density	102Wh/Kg	
Dimensions	Length	580mm
	Width	415mm
	Height	150mm
Reference Weight	50Kg	
Case Material	Iron	
Cycle life	>3000 cycles(80% DoD)	
Option	With CAN+RS485+RS232	

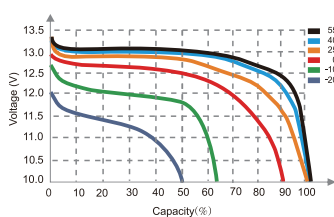
Electric Characteristics

Charge method	CC/CV
Charge voltage Range	57.2~58.4V
Max.continuous Discharge Current	100A
Max.continuous Charge Current	100A
Discharge Pulse Current (5 sec)	300A
End of Discharge Voltage	40V

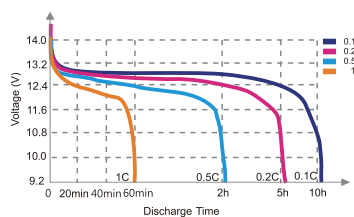
Operation Environment

Charge Temperature	0 C ~50 C
Discharge Temperature	-20 C ~60 C
Storage Temperature	-20 C ~60 C
Option Protection Class	IP30~IP65

Different Temperature Discharge Curve(0.5C)



Different Rate Discharge Curve(25°C)



Different DOD Discharge Cycle Life Curve

