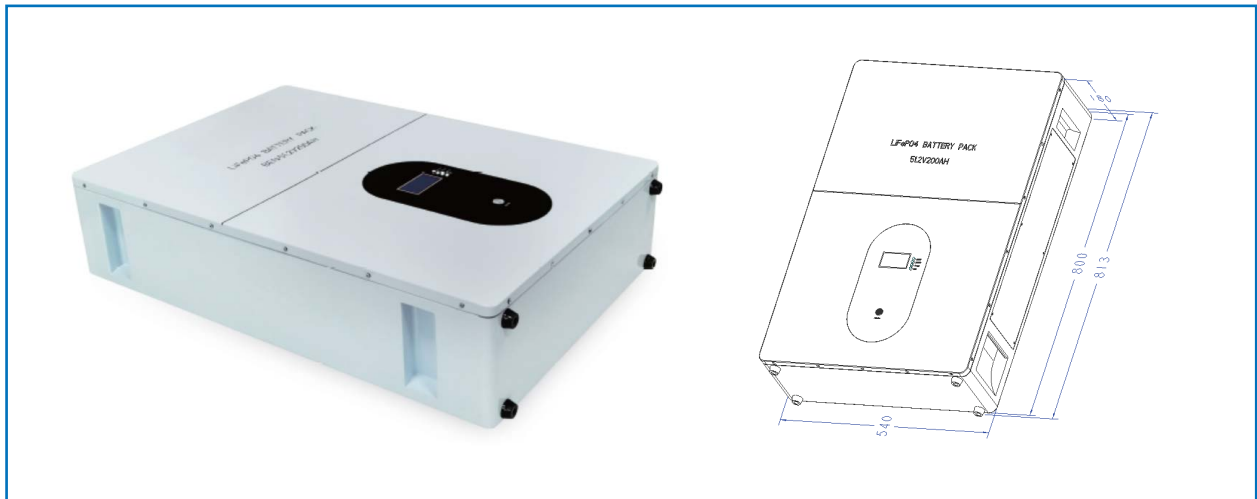


NLFP-10K-W

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-10K-W	
Nominal voltage	51.2V	
Typical capacity	200Ah	
Typical energy	10240Wh	
Cells type/chemistry	Prismatic-LiFePO ₄	
Gravimetric Energy density	118Wh/Kg	
Dimensions	Length	540mm
	Width	813mm
	Height	180mm(205mm)
Reference Weight	87Kg	
Case Material	Iron	
Cycle life	>3000 cycles(80% DoD)	
Option	With CAN+RS485+RS232	

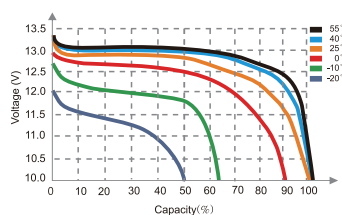
Electric Characteristics

Charge method	CC/CV
Charge voltage Range	57.2~58.4V
Max.continuous Discharge Current	200A
Max.continuous Charge Current	200A
Discharge Pulse Current (5 sec)	600A
End of Discharge Voltage	40V

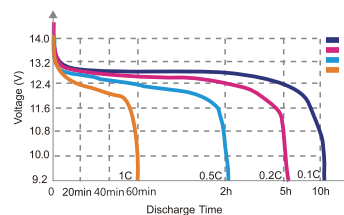
Operation Environment

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

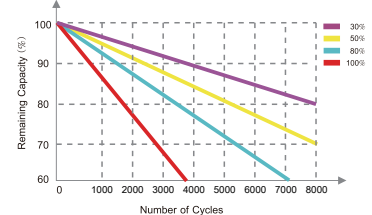
Different Temperature Discharge Curve(0.5C)



Different Rate Discharge Curve(25 °C)



Different DOD Discharge Cycle Life Curve



Nastech Solar

Add: Jumeirah Bay X2 Tower , Office # 3505
Jumeirah Lakes Towers
Dubai, United Arab Emirates
Website: <https://www.nastechsolar.com>
email : sales.uae@nastech.ae
Tel : +971 4 422 5653

