



NQRB LITHIUM IRON BATTERY SYSTEM



- Light weight portable power source for NQ Series heated incubators.
- Long lasting battery expected to operate for 2000+ cycles before replacement.
- Convenient swappable configuration allowing replacement in the field or adding extra batteries to further extend operation time.

Specifications:

Chemistry	LiFePO4
Configuration	4S1P 32650 Cells
Capacity	12.8V/6500mAh 83.2Wh
Charger Input	DC 5521: 14.6V/1.5A
Output	DC 5521: 12.8V/ 5A Max
Size	6.6"x3.5"x1.7"
Weight	1.67 lb

Caution:
Do NOT short circuit
Do NOT crush
Do NOT puncture
Do NOT incinerate
Do NOT disassemble
Do NOT heat above 60C

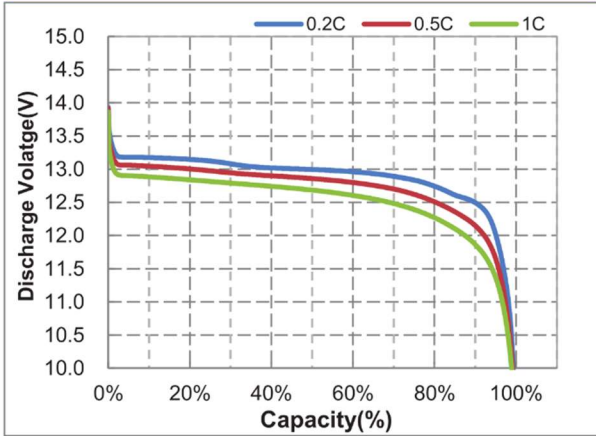
Charging Instructions:

Switch battery to On "I" position while charging. Charge time is 4.5 hours with included LiFePO4 charger. The LED on the charger will glow red while charging and turn to green once complete. Do not charge if the ambient temperature is below 0°C.

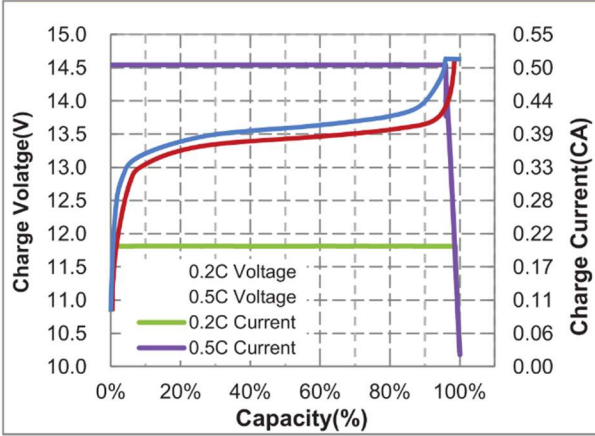


	INTERNAL DIMENSIONS	EXTERNAL DIMENSIONS	SINGLE BATTERY POWER DURATION	DOUBLE BATTERY POWER DURATION
NQ07	10.4cm H, 24.9cm W, 18cm D	24.9cm H, 34.3cm W, 26.2cm D	12 hours	24 hours
NQ09	13.2cm H, 26.9cm W, 19.1cm D	27.2cm H, 33.3cm W, 24.4cm D	10 hours	20 hours
NQ16	15.5cm H, 32.5cm W, 22.6cm D	31.8cm H, 42.9cm W, 31.2cm D	7.5 hours	15 hours
NQ30	26.2cm H, 31.8cm W, 26.7cm D	50.8cm H, 54.4cm W, 39.9cm D	6 hours	12 hours
NQ50	26.9cm H, 59.9cm W, 29.5cm D	38.1cm H, 71.1cm W, 37.3cm D	5 hours	10 hours
NQ72	31.5cm H, 65.0cm W, 33.0cm D	44.5cm H, 75.7cm W, 42.4cm D	5 hours	10 hours
NQ86	43cm H, 34cm W, 52cm D	64cm H, 43cm W, 62cm D	5 hours	10 hours

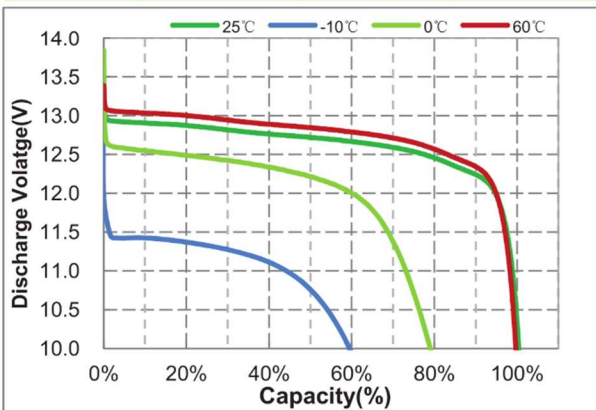
Different Rate Discharge Curve @25°C



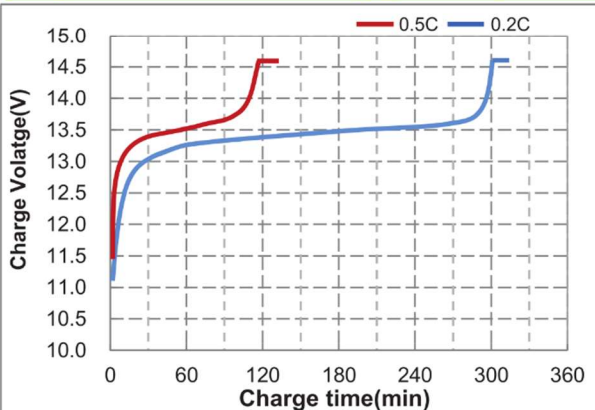
Charge Characteristics of capacity-voltage@0.2C&0.5C, 25°C



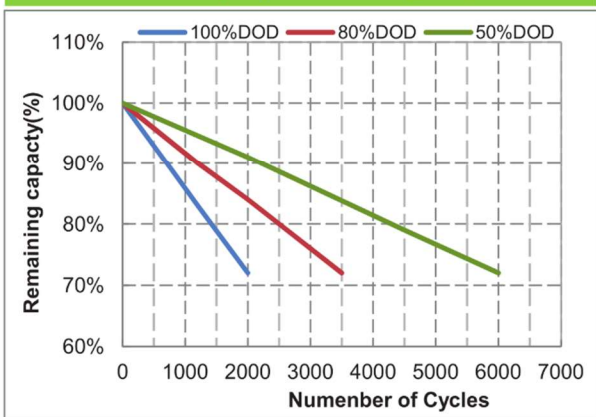
Different Temperature Discharge Curve @0.5C,25°C



Charge Characteristics of time-voltage@0.2C&0.5C, 25°C



Different DOD Discharge Cycle Life Curve @0.2C,25°C



Open circuit voltage VS SOC%@25°C

