



NX LIFEPO4 POWER BATTERY

12.8V 150Ah (1920Wh)

UN38.3
CERTIFIED

ELECTRICAL CHARACTERISTICS / CARACTÉRISTIQUES ÉLECTRIQUES

NOMINAL VOLTAGE	TENSION NOMINALE	12.8V
NOMINAL CAPACITY	CAPACITÉ NOMINALE	150Ah
DIMENSIONS	DIMENSIONS	
• Length	• Longueur	483mm
• Width	• Largeur	170mm
• Height	• Hauteur	238mm
WEIGHT	POIDS	20.2Kg
TERMINAL UK	TYPE DE COSSES	M8
INTERNAL RESISTANCE	RÉSISTANCE INTERNE	≤25mΩ
CYCLE LIFE	CYCLE DE VIE	2000 cycles
CHARGE VOLTAGE	TENSION DE CHARGE	14.6V
CHARGE MODE	MODE DE CHARGE	CC/CV
CHARGER CURRENT	COURANT DE CHARGE	70A
MAX. CHARGE CURRENT	COURANT DE CHARGE MAX.	100A
MAX. PULSE CURRENT	COURANT D'IMPULSION MAX.	140A (<3s)
DISCHARGE CUT-OFF VOLTAGE	TENSION FIN DE DÉCHARGE	8V
BMS	CIRCUIT DE PROTECTION	Yes
CHARGE TEMPERATURE	TEMPÉRATURE DE CHARGE	0°C to +45°C
DISCHARGE TEMPERATURE	TEMPÉRATURE DE DÉCHARGE	-20°C to +60°C
STORAGE TEMPERATURE	TEMPÉRATURE DE STOCKAGE	0°C to 40°C



FR : Techniquement, la technologie LiFePO4 surpasse sur tous les points la technologie plomb : fiabilité, performances, sécurité, propreté =

- Rapport poids/puissance = 70% plus légère que votre batterie plomb d'origine
- Durée de vie = 4 à 5 fois supérieure aux batteries plomb (2000 cycles contre 500 cycles max pour le plomb)
- Performance = 2 fois plus performante qu'une batterie plomb, avec des courants de charge/décharge très élevés.
- Très faible taux d'auto décharge
- Large plage de températures d'utilisation = de 20°C à +60°C

Souplesse d'utilisation = contrairement au plomb, les recharges incomplètes n'auront aucune incidence sur sa durée de vie.

- Plus sécurisant = aucune fuite possible, aucun acide dans la batterie. Elle peut donc être utilisée dans toutes les orientations sans aucun risque. Aucun risque d'explosion ou de combustion.

Cette batterie est équipée d'un circuit de protection électronique (BMS) qui protège la batterie de tout court-circuit, de surcharge, de décharge profonde. Ce BMS réalise également l'équilibrage des cellules pour garantir une meilleure longévité.

UK : LiFePO4 technology surpasses lead acid technology in all areas: reliability, performance, security, cleanliness =

- Weight/power ratio = 70% lighter than lead acid batteries
- Battery life = lasts 4 to 5 times longer than conventional lead acid batteries (2000 cycles max. for lead acid batteries)
- Very low self-discharge rate
- Wide range of operating temperatures = from 20°C to 60°C

Unlike lead acid batteries, incomplete charges have no impact on battery life

- Extra security = leak-proof, as the battery does not contain acid. LiFePO4 batteries can therefore be installed in any position without risk of leakage. LiFePO4 technology eliminates the risk of explosion or combustion.

LiFePO4 batteries are equipped with protection against short circuit currents (BMS), which protects the battery from short circuits, overloads and deep discharge. The BMS also balances cells in order to guarantee longer battery life.

APPLICATIONS / APPLICATIONS

ELECTRIC VEHICLES	VÉHICULES ÉLECTRIQUES
SOLAR/WIND ENERGY STORAGE SYSTEM	SOLAIRE
UPS, BACKUP POWER	ONDULEUR, SAUVEGARDE
TELECOMMUNICATION	TÉLÉCOMMUNICATION
MEDICAL EQUIPMENT	ÉQUIPEMENT MÉDICAL
LIGHTING	ÉCLAIRAGE

TMD 1 Description, classe : UN 3480 – PILES AU LITHIUM IONIQUE, 9, (E)

ADR : Exempt

IMDG : Exempt

IATA : Dangerous

Procédure TMD PROC 11 : UN 3480 (Total) -ION

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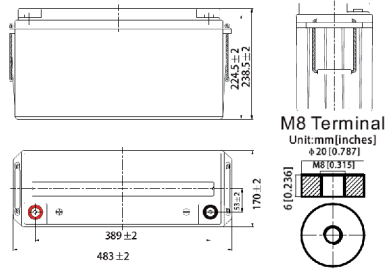
OUTLINE SAFETY WARNING: USE ONLY WITH IN THE ALLOWED PARAMETERS. Do not short circuit or over-load the battery. Charge only using an approved charger designed specifically to charge this battery. Do not heat above maximum temperatures indicated. Never crush, mutilate, puncture or abuse the battery. Do not dismantle the pack or disable any of the protective devices or circuits. DO NOT USE THE BATTERY IF YOU SUSPECT IT MAY BE FAULTY OR DAMAGED.

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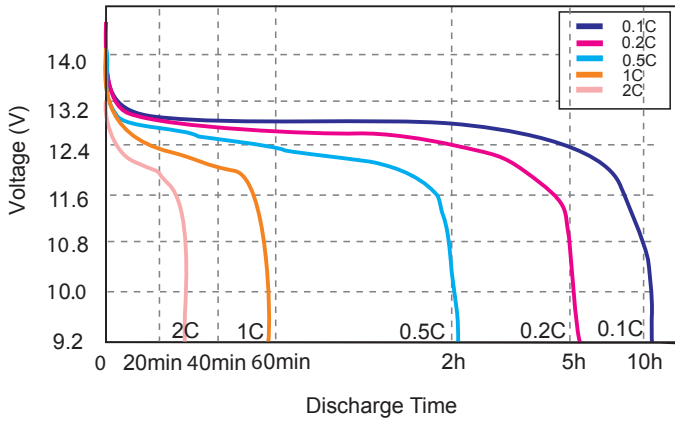
DIMENSIONS / DIMENSIONS

T3 / Terminal

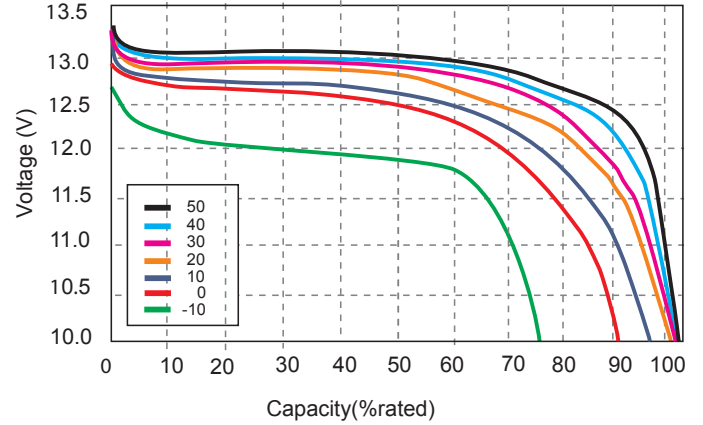
Unité : mm / Unit: inches



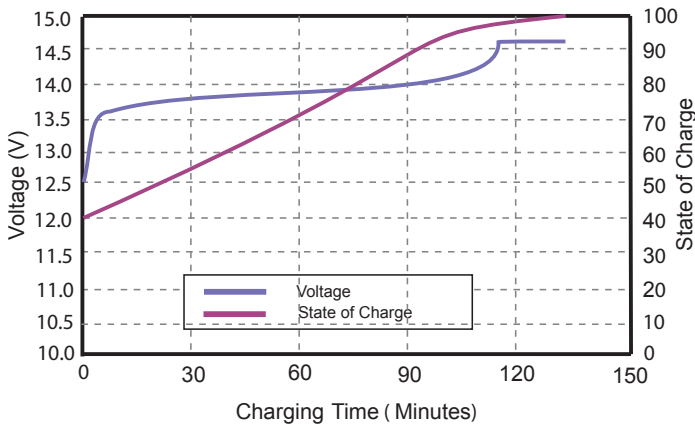
DIFFERENT RATE DISCHARGE CURVE AT 25°C



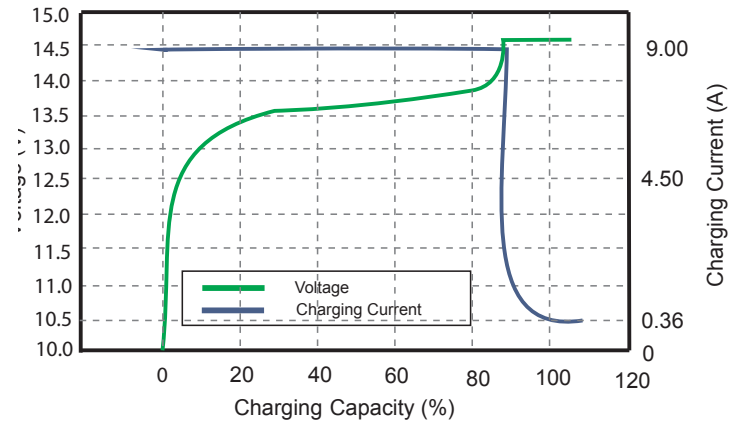
DIFFERENT TEMPERATURE DISCHARGE CURVE AT 0.5°C



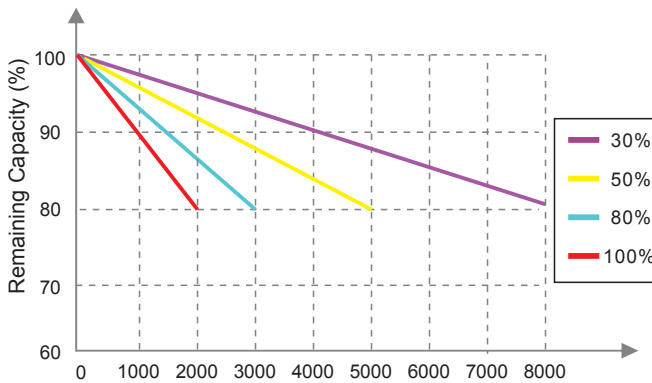
STATE OF CHARGE CURVE AT 25°C



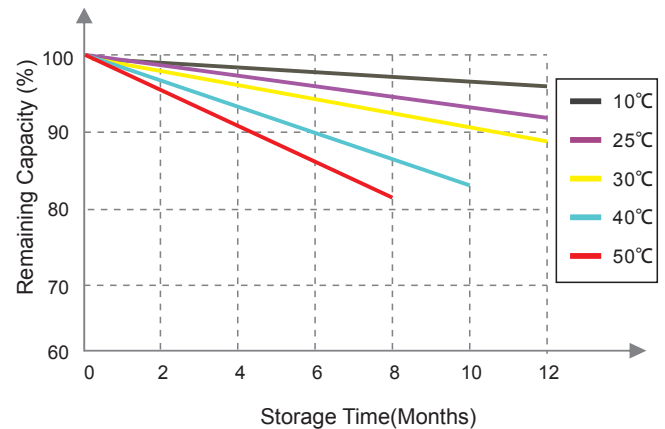
CHARGING CHARACTERISTICS AT 0.5°C



CYCLE LIFE CURVE AT 1C ACCORDING DOD



CHARGING CHARACTERISTICS AT 0.5°C



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