



**Lithium iron phosphate battery NX LiFePO4  
POWER UN38.3 12.8V 32Ah M6-F  
Batterie Lithium Fer Phosphate NX LiFePO4  
POWER UN38.3 12.8V 32Ah M6-F**



**MAIN INFORMATION | INFORMATIONS GÉNÉRALES**

- Brand | Marque
- Nominal voltage | Tension nominale
- Energy | Puissance
- Nominal capacity | Capacité nominale
- Terminals | Type de cosses
- Internal Resistance(AC) | Résistance interne
- Cycle Life | Cycle de vie
- Charge Mode | Mode de charge (CC-CV)
- Charge voltage | Tension de charge
- Charge current | Courant de charge
- Max. charge current | Courant de charge max.
- Discharge cut-off voltage | Tension fin de décharge
- Charge temperature | Température de charge
- Discharge temperature | Température de décharge
- Storage temperature | Température de stockage
- IP class | Indice de protection
- Applications

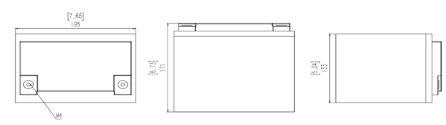
**NX**  
**12,8 V**  
**409,6 Wh**  
**32 Ah**  
**M6**  
**30mΩ**  
**3000+ Cycles @1C 100%DOD**  
**0.2C to 14.4V ; then 14.4V**  
**charge current to 0.02C**  
**14.4±0.2V**  
**20A**  
**40A**  
**10V**  
**0°C-55°C**  
**-20°C-60°C**  
**-20°C-45°C**  
**IP65**

← Dimensions | Dimensions →

**195 mm**  
**133 mm**  
**171 mm**

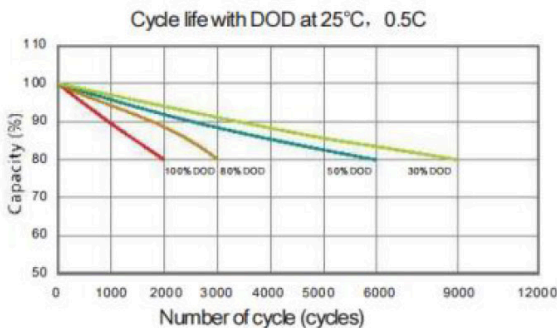
Weight Battery | Poids batterie

**3,9 kg**

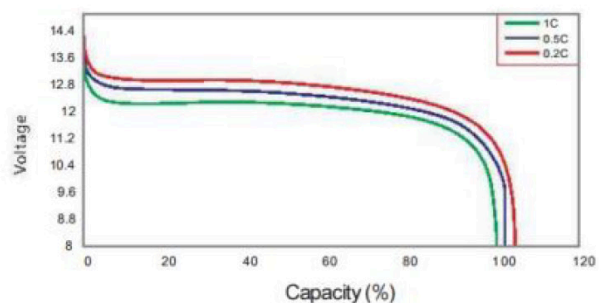


Véhicules électriques electric vehicles, electric mobility, solaire, éolien solar/wind energy storage system, onduleur, sauvegarde ups, backup power, télécommunication telecommunication, équipement médical medical equipment, éclairage lighting.

**Number of Cycles Vs. DOD**



**Discharge Performance at R.T.**

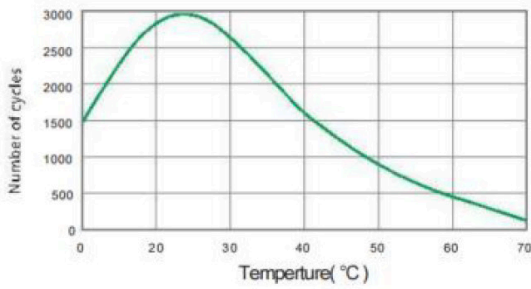


OUTLINE SAFETY WARNING: USE ONLY WITH IN THE ALLOWED PARAMETERS. Do not short circuit or over-load the battery. Charge only using an approved charger designed specifically to charge this battery. Do not heat above maximum temperatures indicated. Never crush, mutilate, puncture or abuse the battery. Do 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.

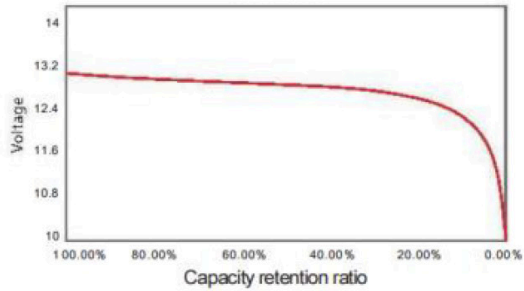
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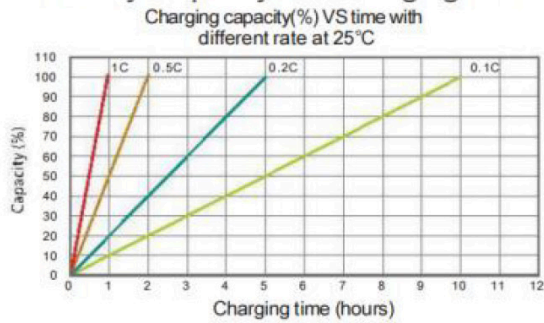
### Cycle Life in Relation to Temperature



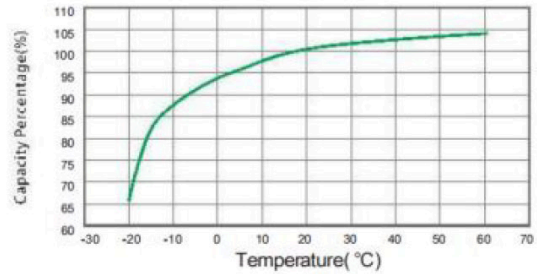
### Battery Capacity (C) Vs. Open Circuit Voltage (OCV) SOC Vs OCV



### Battery Capacity Vs. Charging Time



### Temperature Effects on Capacity



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