



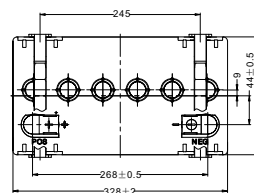
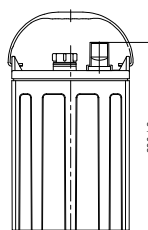
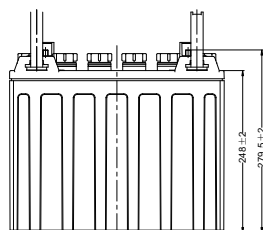
# LEAD BATTERY

## BATTERIE PLOMB

### 12V 120Ah

#### MAIN INFORMATION / INFORMATIONS GÉNÉRALES

<b>BRAND</b>	MARQUE	NX
<b>TECHNOLOGY</b>	TECHNOLOGIE	Flooded Flat Plates Battery / Plomb ouvert à plaque plane
<b>VOLTAGE</b>	TENSION	12V
<b>CAPACITY</b>	CAPACITÉ	150Ah (C20) / 120Ah (C5)
<b>CASING</b>	TYPE DE BAC	Polypropylene
<b>TERMINAL</b>	TYPE DE COSSES	EHPT
<b>CHARGING TEMPERATURE</b>	TEMPÉRATURE DE CHARGE	50°C max
<b>DIMENSIONS</b>	DIMENSIONS	
• Length / Longueur		328 mm
• Width / Largeur		180 mm
• Height / Hauteur		248 mm
• Total height with terminals / Hauteur totale (avec cosSES)		279,5 mm
<b>WEIGHT (±4%)</b>	POIDS (±4%)	
• Dry Weight / Poids sec		27,2 kg
• Wet Weight / Poids humide		36,7 kg
• Acid / Acide		1,280/cm <sup>3</sup> (25°C)



Terminal	
D	Positive 19.5 <sub>±0.2</sub>
	Negative 17.9 <sub>±0.2</sub>

#### PRODUCT DESCRIPTION / DESCRIPTION DU PRODUIT

**UK:** The NX Deep Cycle monobloc traction batteries are designed to provide stable and consistent energy. Manufactured with thick plates, these batteries will withstand repeated charge and discharge cycles (intensive cycling). The NX Deep Cycle range ensures no electrolyte leakage during use and excellent deep discharge recovery.

**FR:** Les batteries de traction monobloc de la gamme NX Deep Cycle sont conçues pour fournir une énergie stable et constante. Fabriquée avec des plaques épaisses, ces batteries résisteront à des cycles de charge et de décharge répétés (Cyclage intensif). La gamme NX Deep Cycle garantit l'absence de fuite d'électrolyte pendant l'utilisation et une très bonne de récupération des décharges profondes.

#### MAIN FEATURES / CARACTÉRISTIQUES PRINCIPALES

##### OPTIMIZED PERFORMANCE

- Optimized for intensive cycling: Up to 700 cycles at 80% depth of discharge (DoD)
- Excellent resistance to deep discharges, ensuring reliable performance over time
- Improved heat dissipation enhances their thermal stability, reducing the risk of overheating.
- Low water loss rate, which helps minimize maintenance costs.

##### EXTENDED LIFESPAN

- Reinforcement of the Pb-Sb alloy to slow down grid corrosion and extend battery life.
- PP casing: High resistance to vibrations, shocks, and corrosion.

##### PERFORMANCES OPTIMISÉES

- Optimisée pour du cyclage intensif: Jusqu'à 700 cycles à 80 % DoD
- Bonne résistance aux décharges profondes
- Amélioration de la dissipation de chaleur permettant une grande stabilité thermique.
- Faible perte d'eau de sorte à réduire les coûts de maintenance

##### DURÉE DE VIE PROLONGÉE

- Renforcement de l'alliage Pb-Sb afin de ralentir la corrosion de la grille et prolonger la durée de vie de la batterie.
- Boîtier en PP : Résistance importante aux vibrations, aux chocs et à la corrosion.

**CAUTION / AVERTISSEMENT**

**Do not tip the battery over.**  
**End-of-life NX batteries must be recycled in accordance with current legislation.**  
**Do not install or charge batteries in a sealed or non-ventilated compartment.**

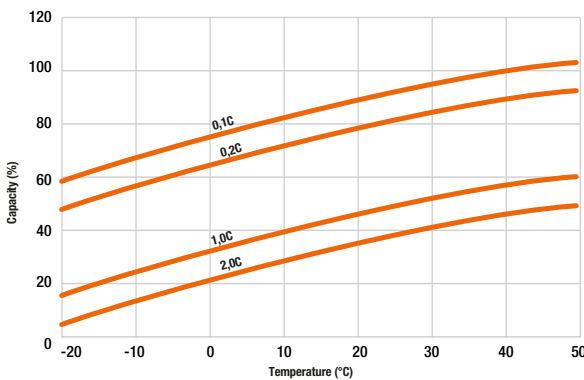
Ne pas renverser la batterie.  
 Les batteries NX en fin de vie doivent être recyclées selon la législation en vigueur.  
 Ne pas installer ou charger les batteries dans un endroit clos et non aéré.

**APPLICATIONS\***

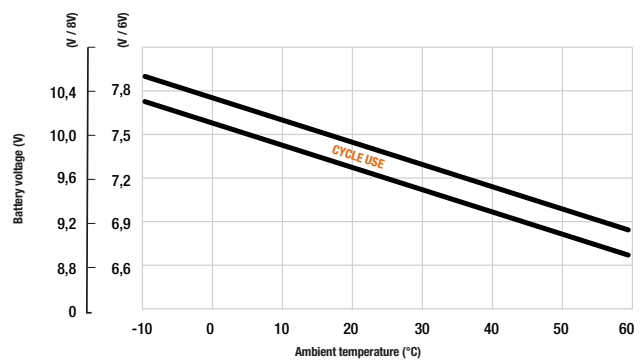
\* Non exhaustive list / Liste non-exhaustive

- |   |   |   |   |
|---|---|---|---|
| <ul style="list-style-type: none"> <li>• Golf Carts</li> <li>• Forklift truck</li> <li>• Industrial cleaning machines</li> <li>• Electric wheelchair</li> <li>• Marine Applications</li> <li>• Renewable energy</li> <li>• Cyclic use</li> <li>• Electric wheelchair</li> </ul> | <ul style="list-style-type: none"> <li>• Electric scooters</li> <li>• motorhome equipment</li> <li>• Industrial cleaning machines</li> <li>• Forklift truck</li> <li>• Marine Applications</li> <li>• Solar energy</li> </ul> | <ul style="list-style-type: none"> <li>• Voitures de golf</li> <li>• Chariots élévateurs</li> <li>• Autolaveuses</li> <li>• Fauteuils roulants électriques</li> <li>• Applications marines</li> <li>• énergie renouvelable (éolienne, solaire)</li> <li>• Usage cyclique</li> </ul> | <ul style="list-style-type: none"> <li>• Fauteuils roulants électriques</li> <li>• Scooters électriques</li> <li>• équipements de camping-car</li> <li>• Engins de nettoyage</li> <li>• Chariots élévateurs</li> <li>• Applications marines</li> <li>• énergie solaire • Énergie solaire</li> </ul> |
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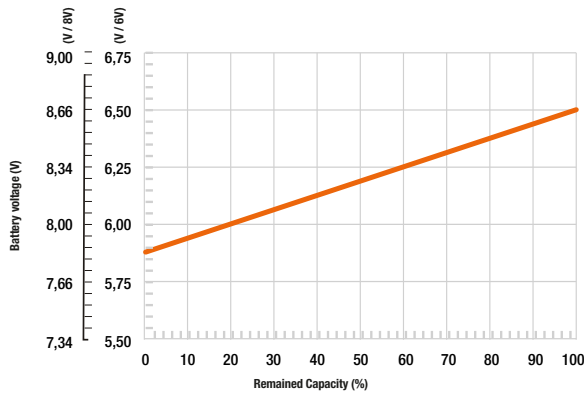
**TEMPERATURE EFFECTS ON CAPACITY**



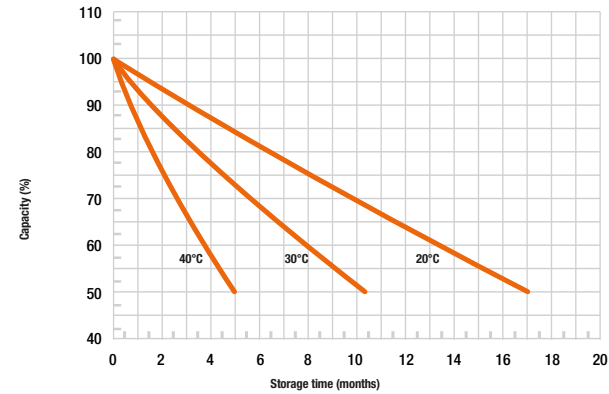
**RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE**



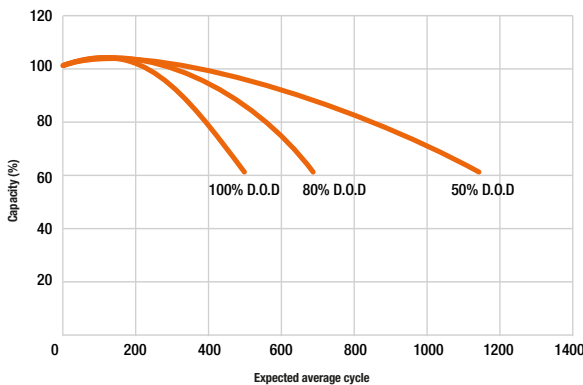
**RELATIONSHIP OF OCV AND STATE OF CHARGE (20°C)**



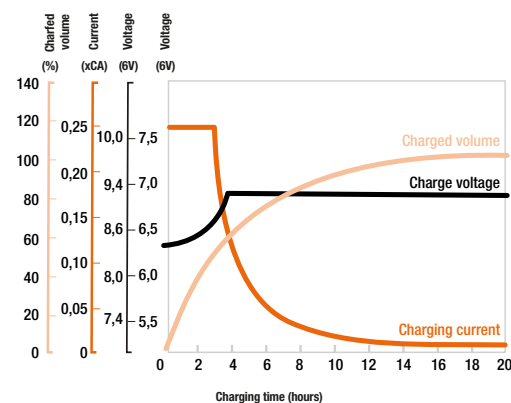
**SELF-DISCHARGE CHARACTERISTIC**



**CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE**



**CONSTANT VOLTAGE CHARGING CHARACTERISTIC (0,25CA, 25 °C, 77 °F)**



OUTLINE SAFETY WARNING: USE ONLY WITHIN 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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