



# NX AGM LEAD ACID BATTERY

## 12V 24Ah



### MAIN INFORMATION / INFORMATIONS GÉNÉRALES

<b>BRAND</b>	MARQUE	NX
<b>TECHNOLOGY</b>	TECHNOLOGIE	AGM Lead acid
<b>NOMINAL VOLTAGE</b>	TENSION NOMINALE	12V
<b>NOMINAL CAPACITY</b>	CAPACITÉ NOMINALE	24Ah (20hr)
<b>DIMENSIONS ( ± 2 mm)</b>	DIMENSIONS ( ± 2 mm)	
• <b>Length / Longueur</b>		164 ± 2mm (6.46 inches)
• <b>Width / Largeur</b>		125 ± 2mm (4.92 inches)
• <b>Height / Hauteur</b>		174 ± 2mm (6.85 inches)
• <b>Total height with terminals / Hauteur totale (avec cosSES)</b>		181 ± 2mm (7.13 inches)
<b>WEIGHT ( ± 2 %)</b>	POIDS ( ± 2 %)	Approx 8.45kg (18.6lbs)
<b>TERMINAL</b>	TYPE DE COSSES	T10
<b>CASING</b>	TYPE DE BAC	UL94 V-0 (Flame retardant)
<b>COLOR</b>	COULEUR DE BAC	Black top and black case
<b>DESIGN LIFE</b>	DURÉE DE VIE (25°C)	5 years

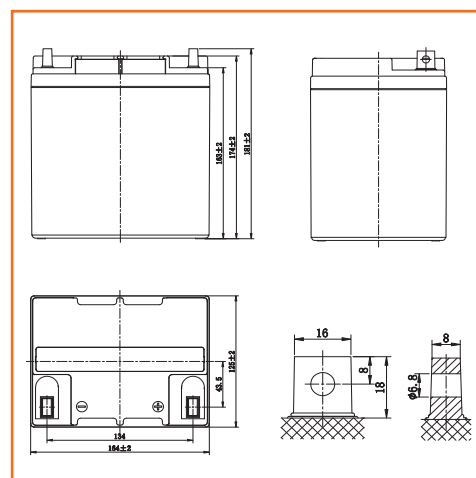


### TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

<b>CAPACITY / CAPACITÉ</b>	24.0Ah/1.20A (20hr, 1.80V/cell, 25°C/77°F) 22.3Ah/2.23A (10hr, 1.80V/cell, 25°C/77°F) 20.4Ah/4.08A (5hr, 1.75V/cell, 25°C/77°F) 18.4Ah/6.12A (3hr, 1.75V/cell, 25°C/77°F) 15.1Ah/15.1A (1hr, 1.60V/cell, 25°C/77°F)
<b>DISCHARGE CURRENT / COURANT DE DÉCHARGE</b>	360A (5s)
<b>INTERNAL RESISTANCE / RÉSISTANCE INTERNE</b>	Approx 15mΩ
<b>OPERATING TEMPERATURE RANGE / PLAGES DE TEMPÉRATURE</b>	
• <b>Discharging / Décharge</b>	-15°~50°C (5 ~122°F)
• <b>Charging / Charge</b>	0°~40°C (32 ~104°F)
• <b>Storage / Stockage</b>	-15°~40°C (5 ~104°F)
<b>NOMINAL OPERATING TEMPERATURE / TEMPÉRATURE D'UTILISATION</b>	25 ± 3°C (77 ± 5°F)
<b>CAPACITY VS TEMPERATURE / CAPACITÉ SELON LA TEMPÉRATURE</b>	40°C (104°F) 103% 25°C (77°F) 100% 0°C (32°F) 86%

### Terminal

Unité : mm / Unit: inches



### APPLICATIONS / APPLICATIONS

**All purpose / Tout usage**

**UPS / Onduleur**

**Emergency light / Eclairage de secours**

**Railway signal / Signalisation ferroviaire**

**Alarm and security system / Alarme et sécurité**

**Aircraft signal / Signal d'avion**

**Electronic devices and equipment / Appareils et équipements électroniques**

**Emergency backup / Alimentation de secours**

**Power supply / Réserve d'énergie**



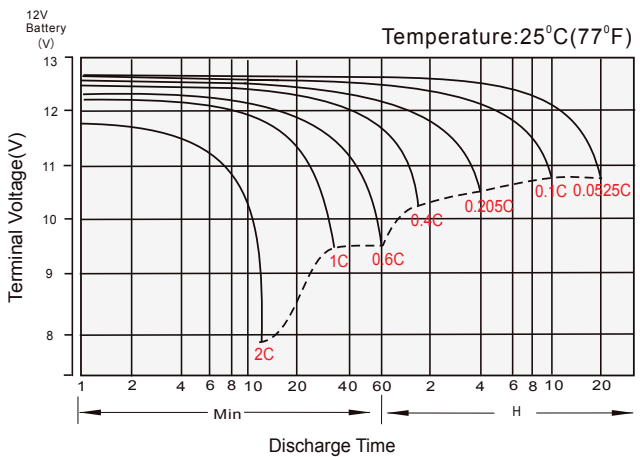
**CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C**  
**TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C**

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	45.7	35.1	29.1	25.1	19.4	14.32	12.07	7.14	5.58	4.54	3.70	3.21	2.59	2.16	1.19
1.80V/cell	61.3	44.8	35.1	29.7	22.9	16.7	13.52	7.79	6.01	4.85	3.97	3.45	2.75	2.23	1.20
1.75V/cell	69.2	49.3	38.4	32.0	23.8	17.3	14.14	8.08	6.12	4.96	4.08	3.54	2.80	2.29	1.21
1.70V/cell	76.2	53.7	41.0	33.6	24.8	18.0	14.59	8.28	6.29	5.09	4.18	3.61	2.84	2.34	1.23
1.65V/cell	84.0	58.0	43.6	35.7	26.1	18.4	14.93	8.40	6.56	5.26	4.30	3.69	2.88	2.39	1.25
1.60V/cell	92.6	62.9	46.6	38.0	27.6	19.2	15.07	8.76	6.76	5.43	4.44	3.77	2.91	2.41	1.26

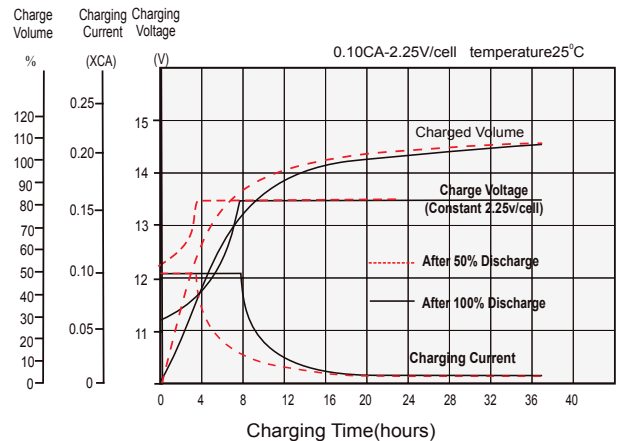
**CONSTANT POWER DISCHARGE (WATTS) AT 25°C**  
**DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C**

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	83.6	64.8	54.3	47.4	37.0	27.5	23.3	13.9	10.9	8.88	7.26	6.32	5.12	4.28	2.35
1.80V/cell	111.0	81.9	64.7	55.2	43.0	31.8	25.9	15.0	11.6	9.43	7.76	6.75	5.41	4.41	2.37
1.75V/cell	122.5	88.5	69.8	58.8	44.3	32.6	27.0	15.5	11.8	9.60	7.93	6.91	5.49	4.52	2.39
1.70V/cell	131.1	94.3	73.4	61.3	45.9	33.8	27.8	15.9	12.1	9.84	8.12	7.04	5.56	4.61	2.44
1.65V/cell	142.5	100.8	77.5	64.7	48.0	34.4	28.2	16.0	12.6	10.1	8.32	7.18	5.64	4.70	2.47
1.60V/cell	153.6	107.0	81.5	68.1	50.3	35.6	28.3	16.6	12.9	10.4	8.56	7.31	5.68	4.74	2.48

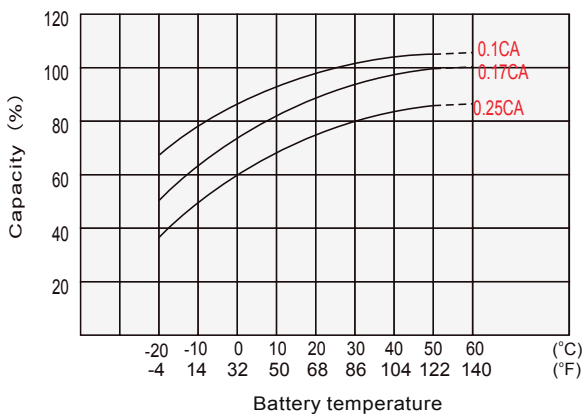
**DISCHARGE CHARACTERISTICS**  
**CARACTÉRISTIQUES DE DÉCHARGE**



**FLOAT CHARGING CHARACTERISTICS**  
**COURANT DE DÉCHARGE ET TEMPS DE DÉCHARGE**



**TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY**  
**EFFET DE LA TEMPÉRATURE SUR LA BATTERIE**



**EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE**  
**EFFET DE LA TEMPÉRATURE SUR LA DURÉE DE VIE EN FLOATING**

