



# AGM LEAD ACID BATTERY

## S 12V-2.3Ah

AGM  
STANDARD

### MAIN INFORMATION / INFORMATIONS GÉNÉRALES

<b>BRAND / MARQUE</b>	NX
<b>TECHNOLOGY / TECHNOLOGIE</b>	AGM Lead acid
<b>NOMINAL VOLTAGE / TENSION NOMINALE</b>	12V
<b>NOMINAL CAPACITY / CAPACITÉ NOMINALE</b>	2.3Ah (20hr)
<b>DIMENSIONS ( ± 2 mm) / DIMENSIONS ( ± 2 mm)</b>	
• <b>Length / Longueur</b>	182 ± 2mm (7.17 inches)
• <b>Width / Largeur</b>	24 ± 2mm (0.94 inches)
• <b>Height / Hauteur</b>	62 ± 2mm 5 (2.44 inches)
• <b>Total height with terminals / Hauteur totale (avec cosse)</b>	62 ± 2mm (2.44 inches)
<b>WEIGHT ( ± 2 %) / POIDS ( ± 2 %)</b>	Approx 0.67kg (1.48lbs)
<b>TERMINAL / TYPE DE COSSES</b>	TU
<b>CASING / TYPE DE BAC</b>	UL94 HB (Standard ABS)
<b>COLOUR / COULEUR DE BAC</b>	Black top and black case

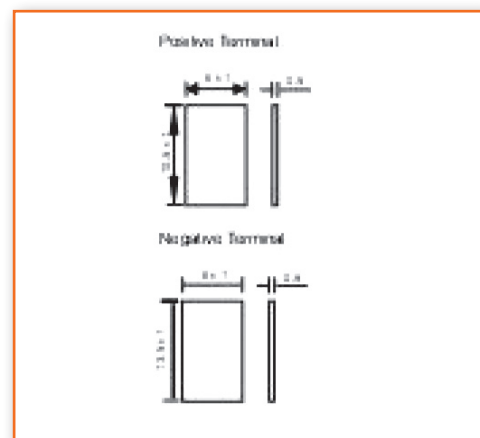


### TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

<b>CAPACITY / CAPACITÉ</b>	2.3Ah (20hr, 1.80V/cell, 25°C/77°F) 2.2Ah (10hr, 1.80V/cell, 25°C/77°F) 2.0Ah (5hr, 1.75V/cell, 25°C/77°F) 1.4Ah (1hr, 1.75V/cell, 25°C/77°F)
<b>MAX DISCHARGE CURRENT / COURANT DE DÉCHARGE</b>	11.5A (5s)
<b>MAX CHARGING CURRENT / COURANT DE CHARGE</b>	0.69A
<b>INTERNAL RESISTANCE / RÉSISTANCE INTERNE</b>	Approx 65mΩ
<b>OPERATING TEMPERATURE RANGE / PLAGES DE TEMPÉRATURE</b>	-15°~50°C (5 ~122°F)
<b>FLOAT CHARGING VOLTAGE / TENSION DE CHARGE EN FLOATING (25°C)</b>	13.60 to 13.80V
<b>CYCLIC CHARGING VOLTAGE / TENSION DE CHARGE EN CYCLAGE (25°C)</b>	14.50 to 14.90V
<b>SELF DISCHARGE / AUTO-DECHARGE (25°C)</b>	Remaining Capacity: 91% (3 months) Remaining Capacity: 82% (6 months) Remaining Capacity: 65% (12 months)
<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) 102% 25°C (77°F) 100% 0°C (32°F) 85%

#### TU / Terminal

Unité : mm / Unit: inches



### APPLICATIONS

**All purpose / Tout usage**

**UPS / Onduleur**

**Emergency light / Éclairage 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**

<b>TMD 1 Description, classe : UN 2800 – accumulateurs inversables remplis d'électrolyte liquide, 8, none, (E)</b>	
<b>ADR : Not regulated</b>	<b>IMDG Not regulated</b>
<b>IATA : Exempt</b>	<b>Procédure TMD PROC 2 : UN 2800</b>



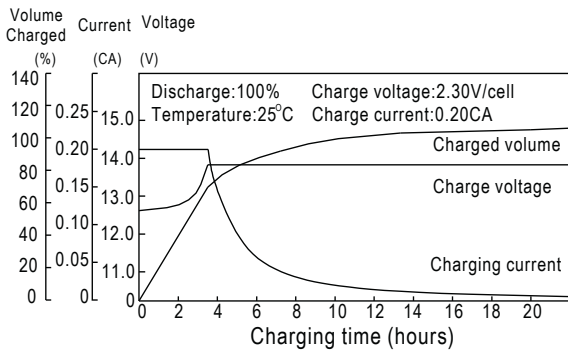
**CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C**  
**TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C**

F.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
9.60V	7.60	4.80	3.80	2.20	1.30	0.51	0.35	0.19	0.10
10.2V	7.22	4.56	3.65	2.11	1.25	0.50	0.34	0.19	0.10
10.8V	6.79	4.29	3.47	2.01	1.19	0.49	0.33	0.18	0.10

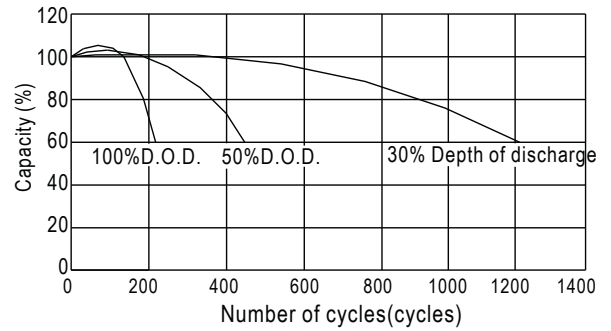
**CONSTANT POWER DISCHARGE (WATTS) AT 25°C**  
**DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C**

F.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
9.60V	84.8	54.1	43.3	25.2	15.1	6.03	4.12	2.24	1.22
10.2V	80.6	51.4	41.6	24.2	14.5	5.94	4.06	2.22	1.21
10.8V	75.7	48.4	39.5	23.0	13.7	5.82	3.98	2.22	1.20

**FLOAT CHARGE CHARACTERISTICS**  
**CHARACTERISTIQUES DE CHARGE EN FLOATING**



**CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE**  
**CYCLE DE VIE EN FONCTION DE LA PROFONDEUR DE DECHARGE**



**RELATIONSHIP FOR OPEN CIRCUIT VOLTAGE AND RESIDUAL CAPACITY**  
**RELATION ENTRE OCV ET CAPACITE (25°C)**

