



# AGM LEAD ACID BATTERY

## 7.2-6 General Purpose F4.8

**AGM  
GENERAL  
PURPOSE**

### MAIN INFORMATION / INFORMATIONS GÉNÉRALES

<b>BRAND / MARQUE</b>	NX
<b>TECHNOLOGY / TECHNOLOGIE</b>	AGM Lead acid
<b>NOMINAL VOLTAGE / TENSION NOMINALE</b>	6V
<b>NOMINAL CAPACITY / CAPACITÉ NOMINALE</b>	7.5Ah (20hr)
<b>DIMENSIONS (± 2 mm) / DIMENSIONS (± 2 mm)</b>	
• <b>Length / Longueur</b>	151 ± 3mm (22.04 inches)
• <b>Width / Largeur</b>	34 ± 2mm (4.33 inches)
• <b>Height / Hauteur</b>	94 ± 3mm (9.17 inches)
• <b>Total height with terminals / Hauteur totale (avec cosses)</b>	100 ± 3mm (9.17 inches)
<b>WEIGHT (± 2 %) / POIDS (± 2 %)</b>	Approx. 1.1 kg (2.43 lbs)
<b>TERMINAL / TYPE DE COSSES</b>	F4.8 = FASTON 4.8
<b>CASING / TYPE DE BAC</b>	UL94 HB (Standard ABS)
<b>COLOR / COULEUR DE BAC</b>	Black top and black case

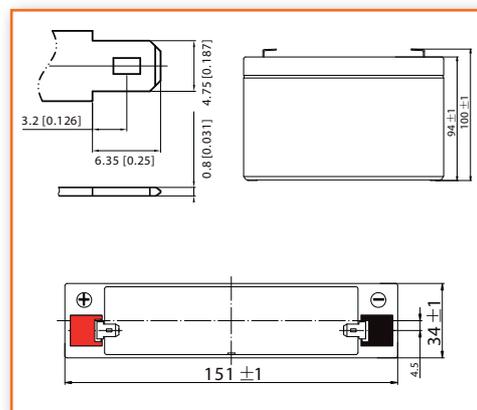


### TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

<b>CAPACITY / CAPACITÉ</b>	7.50Ah / 0.375A (20hr, 1.80V/cell, 25°C/77°F) 6.98Ah / 0.698A (10hr, 1.80V/cell, 25°C/77°F) 6.40Ah / 1.28A (5hr, 1.75V/cell, 25°C/77°F) 5.73Ah / 1.91A (3hr, 1.75V/cell, 25°C/77°F) 4.71Ah / 4.71A (1hr, 1.60V/cell, 25°C/77°F)
<b>DISCHARGE CURRENT / COURANT DE DÉCHARGE</b>	105A (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

**All purpose / Tout usage**

**UPS / Onduleurs**

**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**

**TMD 1 Description, classe : UN 2800 – accumulateurs inversables remplis d'électrolyte liquide, 8, none, (E)**

**ADR : Not regulated**

**IMDG Not regulated**

**IATA : Exempt**

**Procédure TMD PROC 2 : UN 2800**



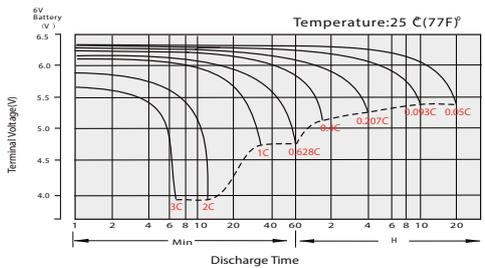
**CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C**  
**TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C**

F.V./Temps	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	14.3	11.0	9.09	7.86	6.07	4.47	3.77	2.23	1.75	1.42	1.16	1.00	0.810	0.677	0.371
1.80V/cell	19.2	14.0	11.0	9.3	7.17	5.20	4.22	2.43	1.88	1.52	1.24	1.08	0.859	0.698	0.375
1.75V/cell	21.6	15.4	12.0	10.0	7.44	5.40	4.42	2.52	1.91	1.55	1.28	1.11	0.874	0.716	0.379
1.70V/cell	23.8	16.8	12.8	10.5	7.74	5.62	4.56	2.59	1.97	1.59	1.31	1.13	0.886	0.731	0.386
1.67V/cell	26.2	18.1	13.6	11.2	8.17	5.76	4.67	2.63	2.05	1.64	1.34	1.15	0.900	0.746	0.391
1.60V/cell	29.0	19.7	14.6	11.9	8.63	6.00	4.71	2.74	2.11	1.70	1.39	1.18	0.909	0.754	0.393

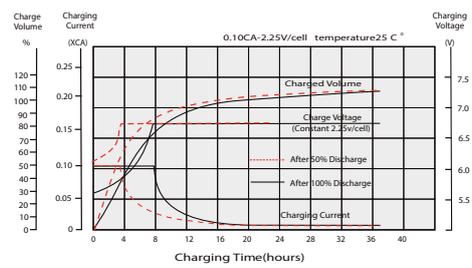
**CONSTANT POWER DISCHARGE (WATTS) AT 25°C**  
**DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C**

F.V./Temps	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	26.1	20.3	17.0	14.8	11.6	8.60	7.28	4.33	3.40	2.77	2.27	1.97	1.60	1.34	0.735
1.80V/cell	34.7	25.6	20.2	17.2	13.5	9.93	8.11	4.70	3.64	2.95	2.42	2.11	1.69	1.38	0.742
1.75V/cell	38.3	27.7	21.8	18.4	13.8	10.2	8.44	4.85	3.69	3.00	2.48	2.16	1.72	1.41	0.748
1.70V/cell	41.0	29.5	23.0	19.2	14.3	10.6	8.68	4.96	3.79	3.08	2.54	2.20	1.74	1.44	0.761
1.67V/cell	44.5	31.5	24.2	20.2	15.0	10.7	8.82	5.00	3.93	3.17	2.60	2.24	1.76	1.47	0.771
1.60V/cell	48.0	33.4	25.5	21.3	15.7	11.1	8.85	5.19	4.03	3.26	2.68	2.28	1.77	1.48	0.774

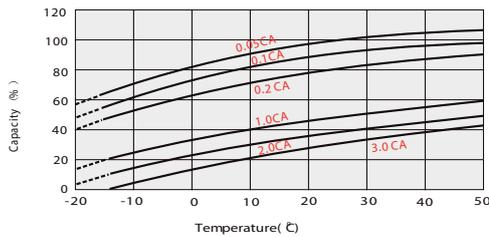
**DISCHARGE CHARACTERISTICS**  
**CARACTÉRISTIQUES DE DÉCHARGE**



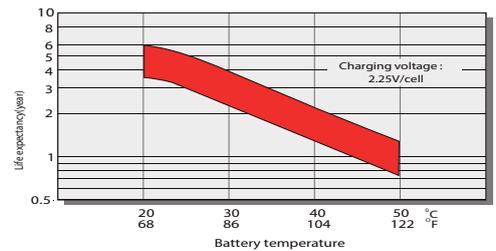
**FLOAT CHARGING CHARACTERISTICS**  
**CARACTÉRISTIQUES DE CHARGE EN FLOATING**



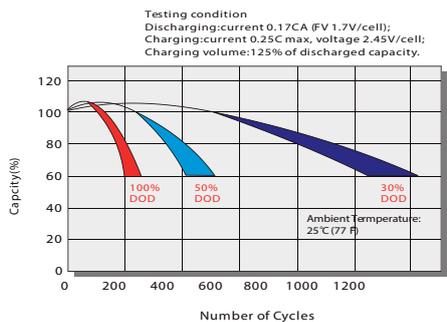
**TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY**  
**EFFET DE LA TEMPÉRATURE SUR LA BATTERIE**



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



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



**SELF DISCHARGE CHARACTERISTICS**  
**RELATION ENTRE LA CAPACITÉ ET LE TEMPS DE STOCKAGE**

