



# AGM LEAD ACID BATTERY

## 10-6 General Purpose FR F6.35

**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>	10Ah (20hr)
<b>DIMENSIONS (± 2 mm) / DIMENSIONS (± 2 mm)</b>	
• <b>Length / Longueur</b>	151 ± 2mm (2.76 inches)
• <b>Width / Largeur</b>	51 ± 2mm (1.89 inches)
• <b>Height / Hauteur</b>	94 ± 2mm (3.86 inches)
• <b>Total height with terminals / Hauteur totale (avec cosSES)</b>	100 ± 2mm (4.09 inches)
<b>WEIGHT (± 2 %) / POIDS (± 2 %)</b>	Approx 1.57kg (3.45lbs)
<b>TERMINAL / TYPE DE COSSES</b>	F6.35 = FASTON 6.35
<b>CASING / TYPE DE BAC</b>	UL94 V-0 (Flame retardant)
<b>COLOR / COULEUR DE BAC</b>	Black top and black case

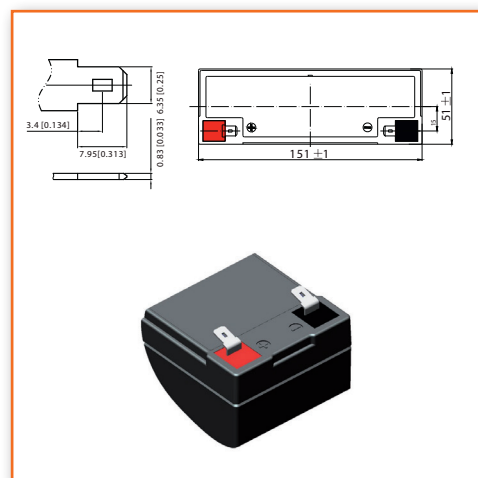


### TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

<b>CAPACITY / CAPACITÉ</b>	10.0Ah/0.50A (20hr, 1.80V/cell, 25°C/77°F) 9.30Ah/0.93A (10hr, 1.80V/cell, 25°C/77°F) 8.50Ah/1.70A (5hr, 1.75V/cell, 25°C/77°F) 7.65Ah/2.55A (3hr, 1.75V/cell, 25°C/77°F) 6.28Ah/6.28A (1hr, 1.60V/cell, 25°C/77°F)
<b>DISCHARGE CURRENT / COURANT DE DÉCHARGE</b>	150A (5s)
<b>INTERNAL RESISTANCE / RÉSISTANCE INTERNE</b>	Approx 17mΩ
<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 / 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**

**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**



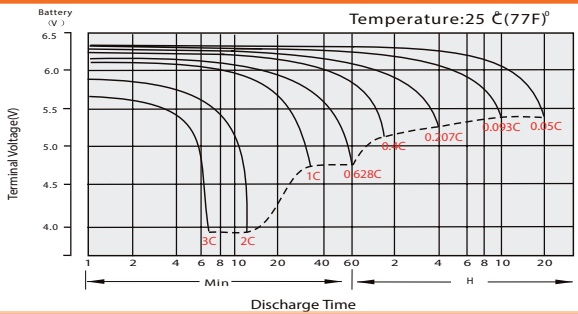
**CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C**  
**TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C**

F.V/Temps	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	19.0	14.6	12.1	10.5	8.10	5.97	5.03	2.97	2.33	1.89	1.54	1.34	1.080	0.902	0.495
1.80V/cell	25.6	18.7	14.6	12.4	9.56	6.94	5.63	3.25	2.50	2.02	1.66	1.44	1.145	1.930	0.500
1.75V/cell	28.8	20.5	16.0	13.3	9.92	7.20	5.89	3.37	2.55	2.07	1.70	1.48	1.165	0.955	0.505
1.70V/cell	31.7	22.4	17.1	14.0	10.3	7.49	6.08	3.45	2.62	2.12	1.74	1.51	1.181	0.974	0.514
1.65V/cell	35.0	24.2	18.1	14.9	10.9	7.68	6.22	3.50	2.73	2.19	1.79	1.54	1.200	0.994	0.521
1.60V/cell	38.6	26.2	19.4	15.8	11.5	8.00	6.28	3.65	2.82	2.26	1.85	1.57	1.212	1.005	0.524

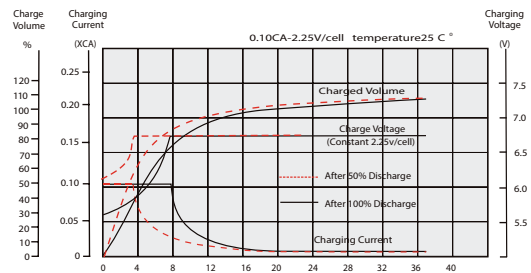
**CONSTANT POWER DISCHARGE (WATTS) AT 25°C**  
**DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C**

F.V/Temps	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	34.8	27.0	22.6	19.7	15.4	11.5	9.7	5.78	4.54	3.70	3.03	2.63	2.13	1.79	0.981
1.80V/cell	46.2	34.1	26.9	23.0	17.9	13.2	10.8	6.26	4.85	3.93	3.23	2.81	2.25	1.84	0.989
1.75V/cell	51.0	36.9	29.1	24.5	18.5	13.6	11.3	6.47	4.92	4.00	3.31	2.88	2.29	1.88	0.998
1.70V/cell	54.6	39.3	30.6	25.6	19.1	14.1	11.6	6.62	5.05	4.10	3.38	2.94	2.32	1.92	1.015
1.65V/cell	59.4	42.0	32.3	26.9	20.0	14.3	11.8	6.67	5.24	4.23	3.47	2.99	2.35	1.96	1.027
1.60V/cell	64.0	44.6	34.0	28.4	21.0	14.8	11.8	6.93	5.38	4.35	3.57	3.04	2.37	1.98	1.032

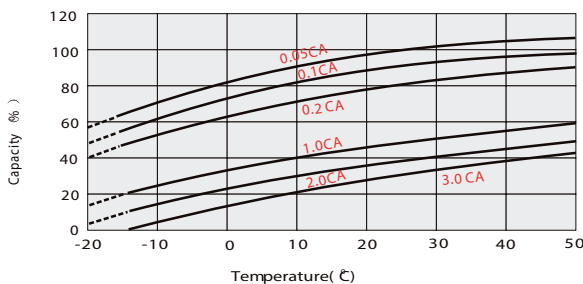
**DISCHARGE CHARACTERISTICS**  
**CARACTÉRISTIQUES DE DÉCHARGE**



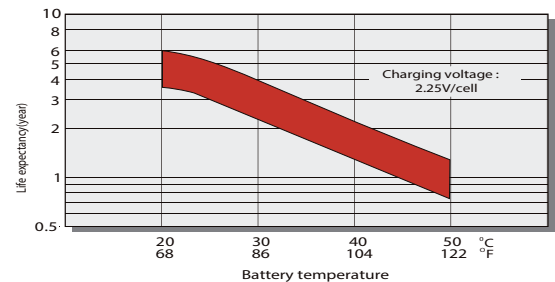
**FLOAT CHARGING CHARACTERISTICS**  
**CARACTÉRISTIQUES DE CHARGE EN FLOATING**



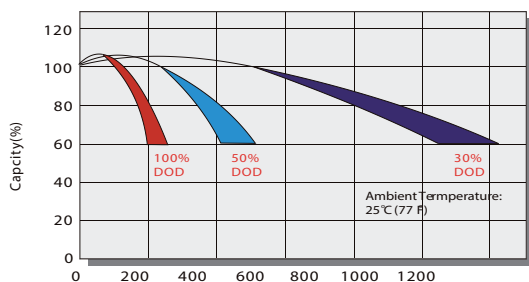
**TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY**  
**EFFET DE LA TEMPÉRATURE SUR LA BATTERIE**



**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**

