



# AGM LEAD ACID BATTERY

## 5.5-12 UPS HIGH RATE F6.35/F4.8



### 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>	5.5Ah (20hr)
<b>DIMENSIONS / DIMENSIONS</b>	
• <b>Length / Longueur</b>	151 ± 2mm (5.94 inches)
• <b>Width / Largeur</b>	51 ± 1mm (2.01 inches)
• <b>Height / Hauteur</b>	93 ± 1mm (3.66 inches)
• <b>Total height with terminals / Hauteur totale (avec cosses)</b>	99 ± 1mm (3.90 inches)
<b>WEIGHT (± 4 %) / POIDS (± 4 %)</b>	Approx 2.00 kg (4.41lbs)
<b>TERMINAL / TYPE DE COSSES</b>	POS: F6.35 / NEG: F4.8
<b>CASING / TYPE DE BAC</b>	ABS
<b>COLOR / COULEUR DE BAC</b>	Black

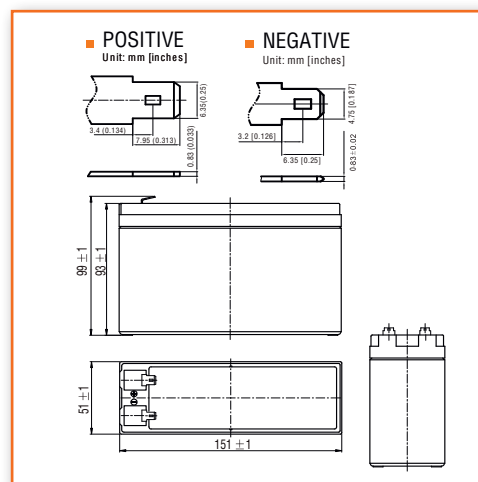


### TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

<b>CAPACITY / CAPACITÉ</b>	5.50Ah / 0.275A (20hr, 1.80V/cell, 25°C/77°F) 5.12Ah / 0.512A (20hr, 1.80V/cell, 25°C/77°F) 4.69Ah / 0.939A (5hr, 1.75V/cell, 25°C/77°F) 4.41Ah / 1.47A (5hr, 1.75V/cell, 25°C/77°F) 4.49Ah / 4.49A (1hr, 1.60V/cell, 25°C/77°F)
<b>DISCHARGE CURRENT / COURANT DE DÉCHARGE</b>	82.5A (5s)
<b>INTERNAL RESISTANCE / RÉSISTANCE INTERNE</b>	Approx 30mΩ
<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**

<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>



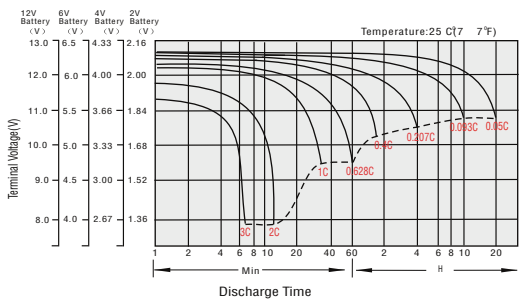
**CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C**  
**TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C**

F.V/Temps	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	13.9	10.7	8.83	7.64	5.90	4.31	3.60	1.93	1.34	1.04	0.846	0.736	0.594	0.496	0.272
1.80V/cell	18.6	13.6	10.7	9.03	6.97	5.01	4.03	2.11	1.45	1.11	0.914	0.789	0.630	0.512	0.275
1.75V/cell	21.0	14.9	11.7	9.72	7.24	5.20	4.21	2.19	1.47	1.13	0.939	0.811	0.641	0.525	0.278
1.70V/cell	23.1	16.3	12.5	10.2	7.53	5.41	4.35	2.24	1.51	1.17	0.956	0.828	0.650	0.536	0.283
1.65V/cell	25.5	17.6	13.2	10.9	7.94	5.54	4.44	2.28	1.58	1.21	0.982	0.846	0.660	0.547	0.287
1.60V/cell	28.2	19.1	14.1	11.6	8.39	5.78	4.49	2.37	1.63	1.24	1.02	0.863	0.667	0.553	0.289

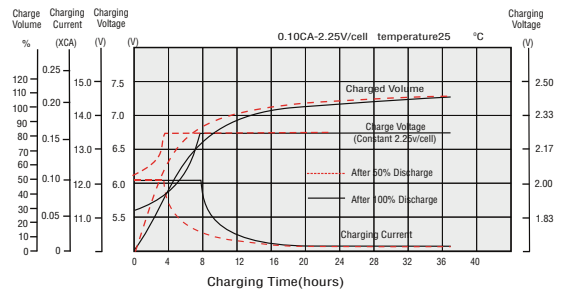
**CONSTANT POWER DISCHARGE (WATTS) AT 25°C**  
**DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C**

F.V/Temps	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	25.4	19.8	16.5	14.4	11.2	8.36	6.94	3.74	2.62	2.03	1.67	1.45	1.18	0.982	0.539
1.80V/cell	33.8	24.9	19.6	16.7	13.1	9.65	7.72	4.06	2.80	2.16	1.78	1.55	1.24	1.01	0.544
1.75V/cell	37.3	26.9	21.2	17.8	13.5	9.92	8.05	4.19	2.84	2.20	1.82	1.58	1.26	1.04	0.548
1.70V/cell	39.8	28.6	22.3	18.6	13.9	10.3	8.27	4.29	2.91	2.26	1.86	1.62	1.28	1.06	0.558
1.65V/cell	43.3	30.6	23.6	19.6	14.6	10.4	8.40	4.33	3.03	2.33	1.90	1.64	1.29	1.07	0.565
1.60V/cell	46.7	32.4	24.8	20.8	15.3	10.8	8.44	4.49	3.11	2.39	1.96	1.68	1.30	1.08	0.568

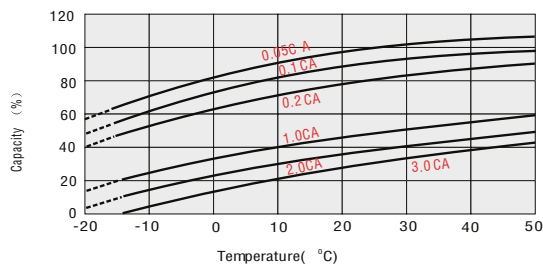
**DISCHARGE CHARACTERISTICS**  
**CARACTÉRISTIQUES DE DÉCHARGE**



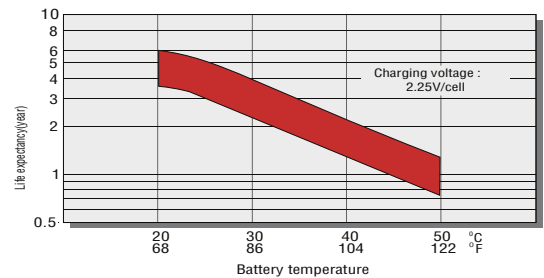
**FLOAT CHARGING CHARACTERISTICS**  
**CARACTÉRISTIQUES DE CHARGE EN FLOATING**



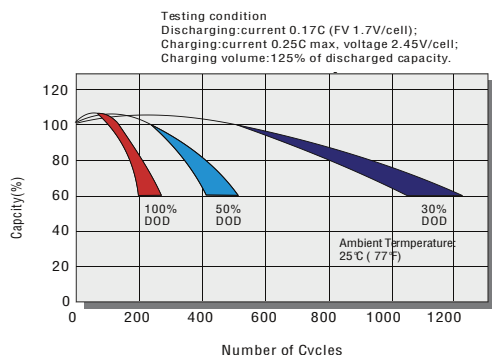
**TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY**  
**EFFET DE LA TEMPÉRATURE SUR LA BATTERIE**



**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**

