



AGM LEAD ACID BATTERY

75-12 General Purpose FR M6-F



MAIN INFORMATION / INFORMATIONS GÉNÉRALES

BRAND	MARQUE	NX
TECHNOLOGY	TECHNOLOGIE	AGM Lead acid
NOMINAL VOLTAGE	TENSION NOMINALE	12V
NOMINAL CAPACITY	CAPACITÉ NOMINALE	75Ah (20hr)
DIMENSIONS	DIMENSIONS	
• Length / Longueur		260 ± 2mm (10.2 inches)
• Width / Largeur		169 ± 2mm (6.65 inches)
• Height / Hauteur		211 ± 2mm (8.31 inches)
• Total height with terminals / Hauteur totale (avec cosse)		216 ± 2mm (8.50 inches)
WEIGHT (± 4 %)	POIDS (± 4 %)	Approx 22kg (48.5lbs)
TERMINAL	TYPE DE COSSES	F11 (M6-F)
CASING	TYPE DE BAC	UL94 V-0 (Flame retardant)
COLOR	COULEUR DE BAC	Black top and black case
DESIGN LIFE ACCORDING EUROBAT CLASSIFICATION	DURÉE DE VIE SELON LA CLASSIFICATION EUROBAT	12 years / 12 ans

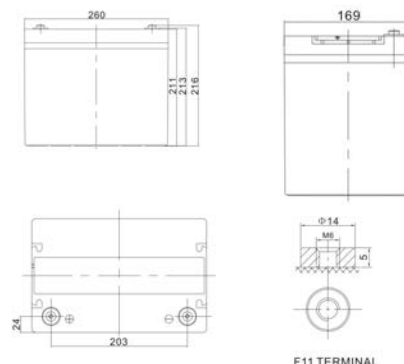


TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

CAPACITY	CAPACITÉ	78.0Ah/3.90A (20hr, 1.80V/cell, 25°C/77°F) 75.0Ah/7.50A (10hr, 1.80V/cell, 25°C/77°F) 64.5Ah/12.9A (5hr, 1.75V/cell, 25°C/77°F) 58.5Ah/19.5A (3hr, 1.75V/cell, 25°C/77°F) 45.8Ah/45.8A (1hr, 1.60V/cell, 25°C/77°F)
DISCHARGE CURRENT	COURANT DE DÉCHARGE	800A (5s)
INTERNAL RESISTANCE	RÉSISTANCE INTERNE	≤ 8,5mΩ
OPERATING TEMPERATURE RANGE	PLAGE DE TEMPÉRATURE	
• Discharging / Décharge		-20°C +60°C
• Charging / Charge		0°C +50°C
• Storage / Stockage		-20°C +60°C
NOMINAL OPERATING TEMPERATURE	TEMPÉRATURE D'UTILISATION	25 ± 5°C (77 ± 9°F)
CAPACITY VS TEMPERATURE	CAPACITÉ SELON LA TEMPÉRATURE	40°C (104°F) 103% 25°C (77°F) 100% 0°C (32°F) 86%
STANDBY USE	UTILISATION EN STANDBY	13.6 V~13.8 V @ 25°C (77°F) Temperature Compensation: -3mV/°C/Cell
CYCLE USE	UTILISATION CYCLIQUE	14.6 V~14.8 V @ 25°C (77°F) Temperature Compensation: -4mV/°C/Cell

Terminal

Unité : mm / Unit: inches



APPLICATIONS (Non exhaustive list / Liste non-exhaustive)

- **UPS / EPS** | Onduleurs / alimentation de secours
- **Telecommunications** | Télécommunications
- **Power grid** | Réseaux électriques
- **Medical equipment** | Équipements médicaux
- **Emergency lighting** | Éclairage de secours
- **Security systems** | Systèmes de sécurité

CAUTION / AVERTISSEMENT

Operation in any orientation except permanently inverted. Continuous use of the battery in a permanently inverted position may adversely affect battery life and performance. End-of-life NX batteries must be recycled in accordance with current legislation.

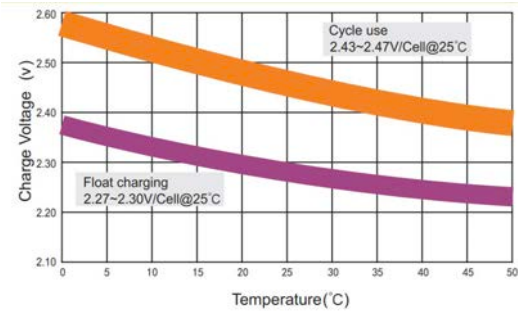
Fonctionnement dans n'importe quel sens sauf en utilisation inversée continue. L'utilisation continue de la batterie en position inversée peut impacter négativement sa durée de vie et ses performances. Les batteries NX en fin de vie doivent être recyclées selon la législation en vigueur.

OUTLINE SAFETY WARNING: USE ONLY WITHIN THE ALLOWED PARAMETERS. Do not short circuit or over-load the battery. Charge only using an approved charger designed specifically to charge this battery. Do not heat above maximum temperatures indicated. Never crush, mutilate, puncture or abuse the battery. Do not dismantle the pack or disable any of the protective devices or circuits. DO NOT USE THE BATTERY IF YOU SUSPECT IT MAY BE FAULTY OR DAMAGED.

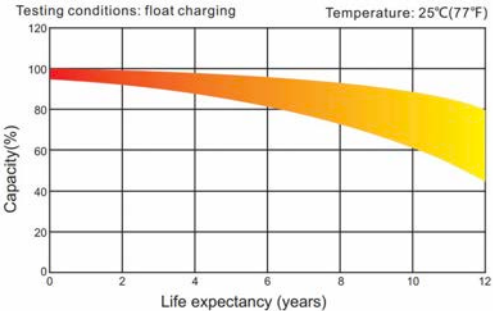
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TMD 1 Description, classe : UN 2800 – accumulateurs inversables remplis d'électrolyte liquide, 8, none, (E)	
ADR : Not regulated	IMDG Not regulated
IATA : Exempt	Procédure TMD PROC 2 : UN 2800

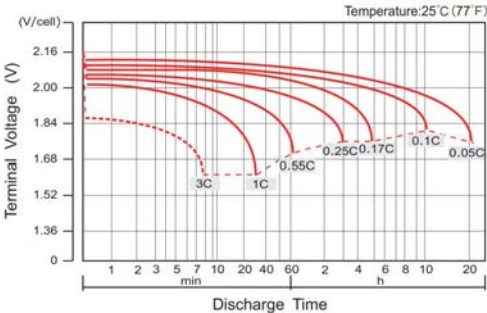
RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE
RELATIONS ENTRE TENSION DE CHARGE ET TEMPERATURE



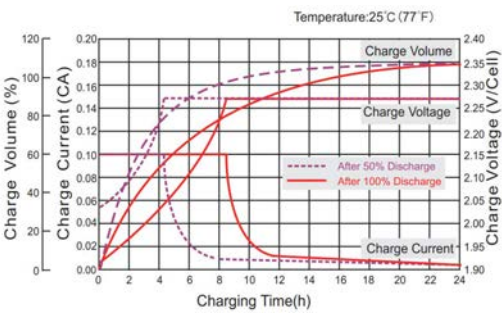
LIFE CHARACTERISTICS OF STANDBY USE
DURÉE DE VIE EN STANDBY



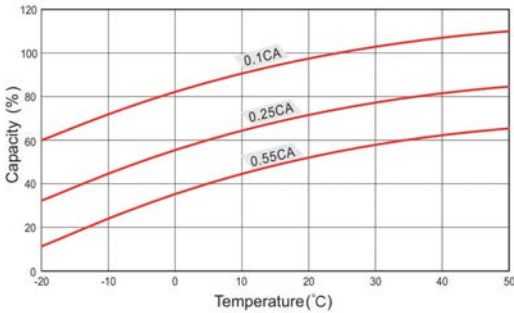
DISCHARGE CHARACTERISTICS
CARACTÉRISTIQUES DE DÉCHARGE



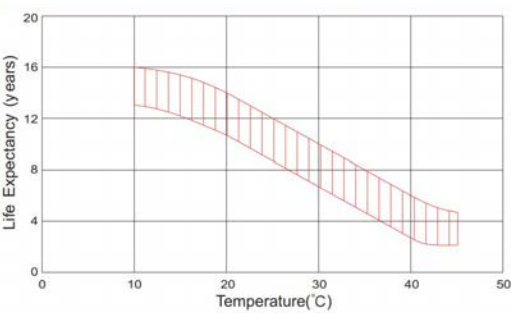
FLOAT CHARGING CHARACTERISTICS
COURANT DE DÉCHARGE ET TEMPS DE DÉCHARGE



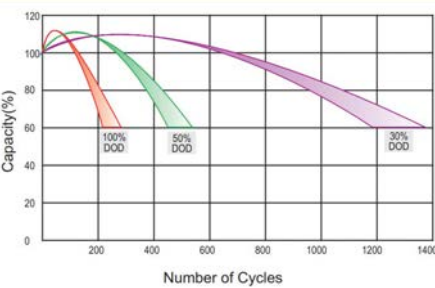
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY
EFFET DE LA TEMPÉRATURE SUR LA BATTERIE



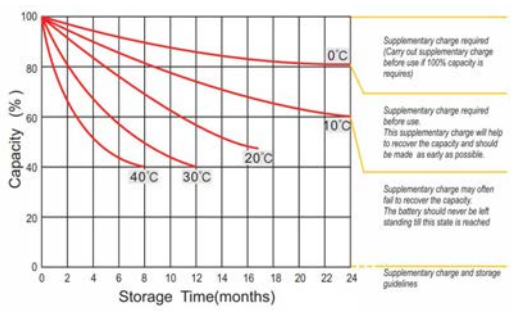
EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE
EFFET DE LA TEMPÉRATURE SUR LA DURÉE DE VIE EN FLOATING



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



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	128.4	100.9	85.8	71.8	57.1	43.2	35.4	22.5	17.8	14.5	11.7	10.2	8.29	7.08	3.86
1.80V/cell	172.3	128.9	103.7	84.9	67.3	50.2	39.6	24.6	19.2	15.5	12.6	10.9	8.79	7.50	3.90
1.75V/cell	194.3	141.7	113.3	91.3	69.9	52.1	41.4	25.5	19.5	15.9	12.9	11.2	8.94	7.58	3.94
1.70V/cell	213.9	154.4	120.9	95.9	72.7	54.2	42.7	26.5	20.1	16.3	13.2	11.5	9.07	7.65	4.01
1.65V/cell	235.9	166.7	128.6	101.9	76.7	55.6	44.2	27.2	20.9	16.8	13.6	11.7	9.21	7.81	4.07
1.60V/cell	260.2	180.9	137.5	108.6	81.0	57.9	45.8	28.2	21.6	17.4	14.1	12.0	9.30	7.89	4.09

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	234.7	186.4	160.1	135.3	108.7	83.0	68.2	43.7	34.7	28.4	23.0	20.1	16.4	14.0	7.65
1.80V/cell	311.7	235.4	190.9	157.6	126.3	95.8	76.0	46.4	37.1	30.2	24.6	21.4	17.3	14.8	7.71
1.75V/cell	343.9	254.5	205.9	167.9	130.1	98.4	79.1	49.0	37.7	30.8	25.1	22.0	17.6	14.9	7.78
1.70V/cell	368.2	271.1	216.8	175.1	134.6	102.0	81.4	50.8	38.7	31.5	25.7	22.4	17.8	15.1	7.92
1.65V/cell	400.3	289.9	228.8	184.7	140.9	103.6	83.5	52.0	40.1	32.5	26.3	22.8	18.0	15.4	8.02
1.60V/cell	431.3	307.6	240.6	194.6	147.7	107.4	86.0	53.4	41.2	33.4	27.1	23.2	18.2	15.5	8.05