



AGM LEAD ACID BATTERY

18-12 General Purpose FR M6-M



MAIN INFORMATION / INFORMATIONS GÉNÉRALES

BRAND	MARQUE	NX
TECHNOLOGY	TECHNOLOGIE	AGM Lead acid
NOMINAL VOLTAGE	TENSION NOMINALE	12V
NOMINAL CAPACITY	CAPACITÉ NOMINALE	18Ah (20hr)
DIMENSIONS (± 2 mm)	DIMENSIONS (± 2 mm)	
• Length / Longueur		181.5 ± 2mm (2.76 inches)
• Width / Largeur		77 ± 2mm (1.89 inches)
• Height / Hauteur		167.5 ± 2mm 5 (3.86 inches)
• Total height with terminals / Hauteur totale (avec cosSES)		167.5 ± 2mm 4.09 inches
WEIGHT (± 2 %)	POIDS (± 2 %)	Approx 5.4kg (11.9lbs)
TERMINAL	TYPE DE COSSES	M6-M = M6 MALE
CASING	TYPE DE BAC	UL94 V-0 (Flame retardant)
COLOR	COULEUR DE BAC	Black top and black case

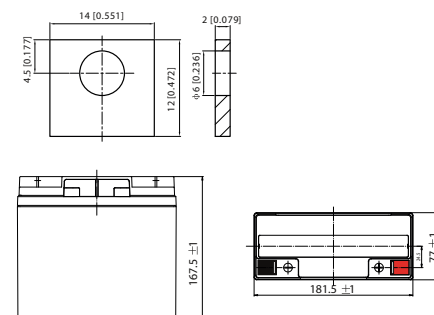


TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

CAPACITY	CAPACITÉ	18.0Ah/0.90A (20hr, 1.80V/cell, 25°C/77°F) 16.7Ah/1.67A (10hr, 1.80V/cell, 25°C/77°F) 15.1Ah/3.03A (5hr, 1.75V/cell, 25°C/77°F) 13.5Ah/4.49A (3hr, 1.75V/cell, 25°C/77°F) 11.1Ah/11.1A (1hr, 1.60V/cell, 25°C/77°F)
DISCHARGE CURRENT	COURANT DE DÉCHARGE	270A (5s)
INTERNAL RESISTANCE	RÉSISTANCE INTERNE	Approx 16mΩ
OPERATING TEMPERATURE RANGE	PLAGE DE TEMPÉRATURE	
• Discharging / Décharge		-15°~50°C (5 ~122°F)
• Charging / Charge		0°~40°C (32 ~104°F)
• Storage / Stockage		-15°~40°C (5 ~104°F)
NOMINAL OPERATING TEMPERATURE / TEMPÉRATURE D'UTILISATION		25 ± 3°C (77 ± 5°F)
CAPACITY VS TEMPERATURE / CAPACITÉ SELON LA TEMPÉRATURE		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



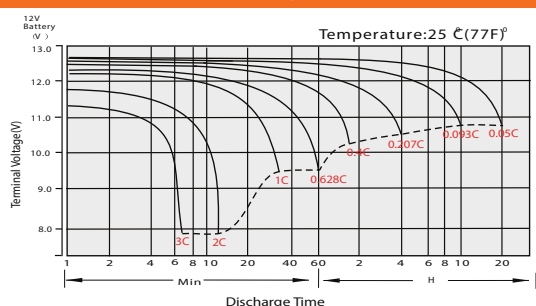
CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C

F.V/Temps	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	33.9	25.6	22.7	19.9	15.3	11.4	9.11	5.51	4.13	3.35	2.84	2.47	1.96	1.63	0.884
1.80V/cell	40.8	30.2	25.9	22.1	16.7	12.2	9.79	5.85	4.34	3.51	2.94	2.55	2.02	1.67	0.900
1.75V/cell	45.8	33.0	27.8	23.4	17.4	12.8	10.2	6.07	4.49	3.60	3.03	2.62	2.06	1.70	0.918
1.70V/cell	49.9	35.4	29.7	24.7	18.1	13.2	10.6	6.27	4.63	3.69	3.09	2.67	2.09	1.72	0.929
1.65V/cell	53.8	37.7	31.1	25.8	18.9	13.8	10.9	6.44	4.73	3.77	3.14	2.71	2.12	1.74	0.938
1.60V/cell	57.9	39.6	31.9	26.4	19.3	14.0	11.1	6.59	4.82	3.84	3.20	2.74	2.15	1.76	0.945

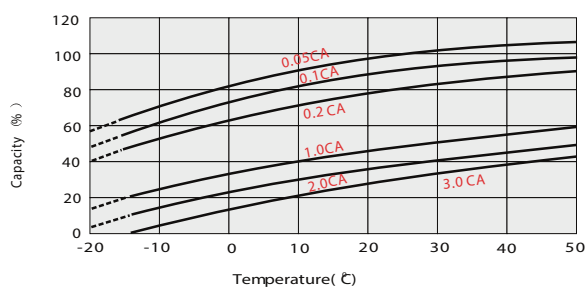
CONSTANT POWER DISCHARGE (WATTS) AT 25°C DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C

F.V/Temps	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	64.0	48.8	43.6	38.5	29.8	22.3	17.9	10.9	8.21	6.68	5.68	4.95	3.95	3.29	1.79
1.80V/cell	76.3	57.2	49.5	42.7	32.4	23.9	19.2	11.5	8.59	6.98	5.86	5.09	4.04	3.36	1.81
1.75V/cell	84.8	62.0	52.8	44.8	33.6	24.9	20.0	11.9	8.87	7.14	6.02	5.21	4.11	3.39	1.82
1.70V/cell	91.1	65.6	55.7	46.8	34.7	25.6	20.6	12.2	9.06	7.25	6.08	5.27	4.15	3.42	1.83
1.65V/cell	96.6	68.8	57.5	48.4	35.8	26.3	21.0	12.5	9.19	7.35	6.15	5.32	4.18	3.43	1.84
1.60V/cell	101.5	70.8	58.0	48.7	36.0	26.5	21.3	12.7	9.31	7.45	6.22	5.33	4.21	3.45	1.85

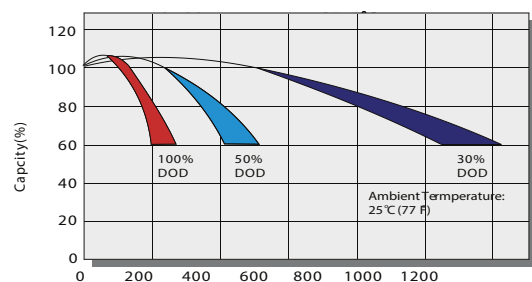
DISCHARGE CHARACTERISTICS CARACTÉRISTIQUES DE DÉCHARGE



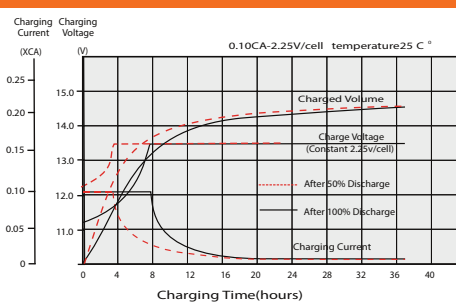
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY EFFET DE LA TEMPÉRATURE SUR LA BATTERIE



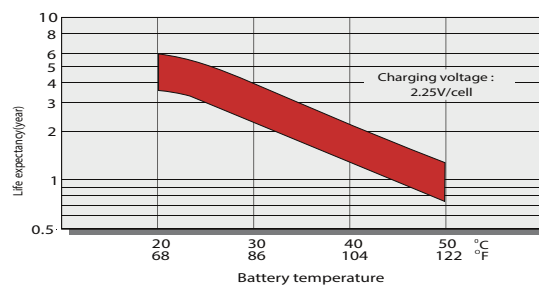
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE CYCLE DE VIE EN FONCTION DE LA PROFONDEUR DE LA DÉCHARGE



FLOAT CHARGING CHARACTERISTICS COURANT DE DÉCHARGE ET TEMPS DE DÉCHARGE



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



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

