Ref. : AMP9045

AGM LEAD ACID BATTERY
75-12 General Purpose FR M6-F

AGM GENERAL PURPOSE

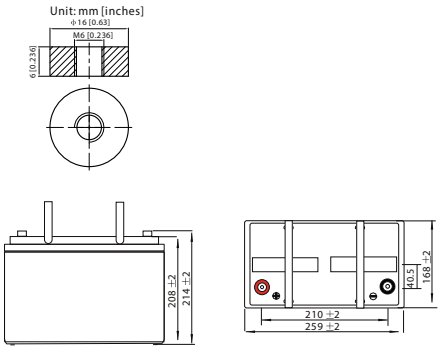
MAIN INFORMATION / **INFORMATIONS GÉNÉRALES**

BRAND	MARQUE	NX
TECHNOLOGY	TECHNOLOGIE	AGM Lead acid
NOMINAL VOLTAGE	TENSION NOMINALE	12V
NOMINAL CAPACITY	CAPACITÉ NOMINALE	75Ah (20hr)
DIMENSIONS (± 2 mm)	DIMENSIONS (± 2 mm)	
• **Length /** Longueur		259 ± 3mm (10.2 inches)
• **Width /** Largeur		168 ± 2mm (6.61 inches)
• **Height /** Hauteur		208 ± 3mm (8.19 inches)
• **Total height with terminals /** Hauteur totale (avec cosses)		214 ± 3mm (8.43 inches)
WEIGHT (± 2 %)	POIDS (± 2 %)	Approx 22.3kg (49.2lbs)
TERMINAL	TYPE DE COSSES	M6-F = M6 FEMALE
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	6-9 years / 6-9 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	900A (5s)
INTERNAL RESISTANCE	RÉSISTANCE INTERNE	Approx 6.6mΩ
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 securité
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

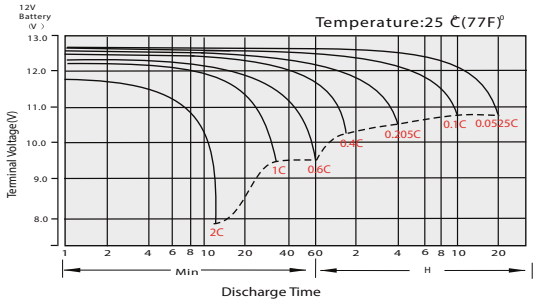
CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C
TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C

F.V/Temps	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	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

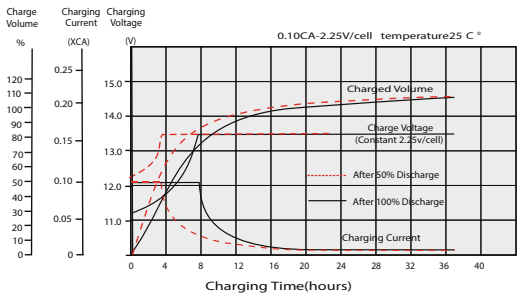
CONSTANT POWER DISCHARGE (WATTS) AT 25°C
DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C

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

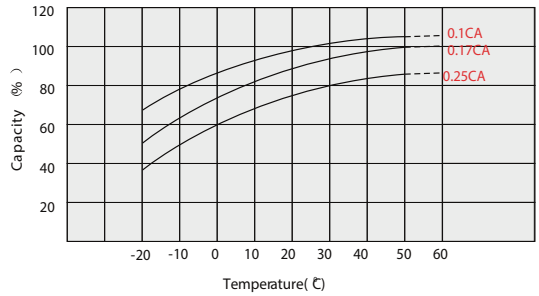
DISCHARGE CHARACTERISTICS
CARACTÉRISTIQUES DE DÉCHARGE



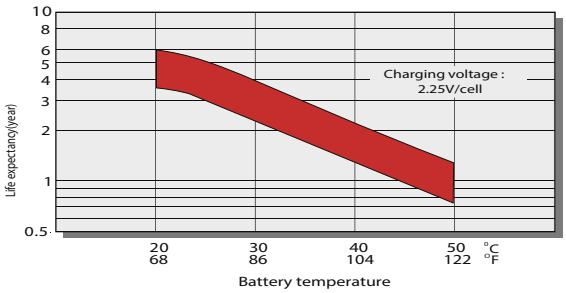
FLOAT CHARGING CHARACTERISTICS
COURANT DE DÉCHARGE ET TEMPS DE DÉCHARGE



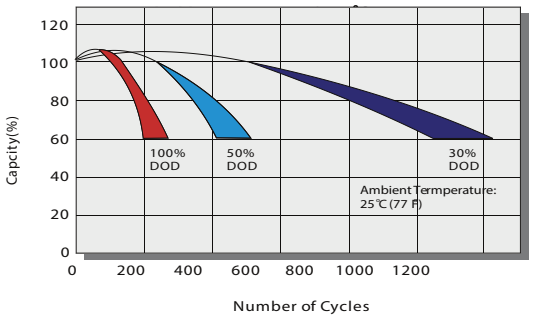
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY
EFFET DE LA TEMPÉRATURE SUR LA BATTERIE



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