



AGM LEAD ACID BATTERY

1.2-12 General Purpose FR F4.8



MAIN INFORMATION / INFORMATIONS GÉNÉRALES

BRAND	MARQUE	NX
TECHNOLOGY	TECHNOLOGIE	AGM Lead acid
NOMINAL VOLTAGE	TENSION NOMINALE	12V
NOMINAL CAPACITY	CAPACITÉ NOMINALE	1.2Ah (20hr)
DIMENSIONS (± 2 mm)	DIMENSIONS (± 2 mm)	
• Length / Longueur		97 ± 2mm (2.76 inches)
• Width / Largeur		43 ± 2mm (1.89 inches)
• Height / Hauteur		52 ± 2mm 5 (3.86 inches)
• Total height with terminals / Hauteur totale (avec cosSES)		58 ± 2mm 4.09 inches)
WEIGHT (± 2 %)	POIDS (± 2 %)	Approx 0.57kg (1.26lbs)
TERMINAL	TYPE DE COSSES	F4.8 = FASTON 4.8
CASING	TYPE DE BAC	UL94 V-0 (Flame retardant)
COLOR	COULEUR DE BAC	Black top and black case

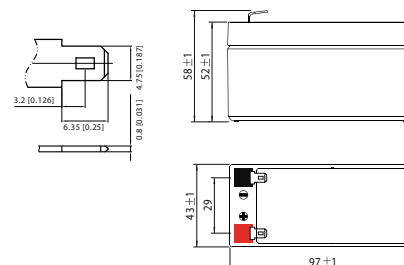


TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

CAPACITY	CAPACITÉ	1.20Ah/0.060A (20hr,1.80V/cell,25°C/77°F) 1.12Ah/0.112A (10hr,1.80V/cell,25°C/77°F) 1.01Ah/0.202A (5hr,1.75V/cell,25°C/77°F) 0.882Ah/0.294A (3hr,1.75V/cell,25°C/77°F) 0.728Ah/0.728A (1hr,1.60V/cell,25°C/77°F)
DISCHARGE CURRENT	COURANT DE DÉCHARGE	18A (5s)
INTERNAL RESISTANCE	RÉSISTANCE INTERNE	Approx 95mΩ
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	2.30	1.61	1.32	1.15	0.922	0.709	0.580	0.354	0.270	0.222	0.188	0.163	0.130	0.108	0.059
1.80V/cell	2.83	1.92	1.54	1.30	1.02	0.773	0.624	0.376	0.284	0.233	0.196	0.170	0.134	0.112	0.060
1.75V/cell	3.36	2.17	1.69	1.41	1.09	0.821	0.656	0.392	0.294	0.240	0.202	0.174	0.138	0.114	0.061
1.70V/cell	3.81	2.39	1.83	1.52	1.14	0.853	0.684	0.409	0.303	0.246	0.207	0.179	0.140	0.116	0.062
1.65V/cell	4.20	2.57	1.94	1.59	1.19	0.886	0.713	0.421	0.311	0.251	0.211	0.182	0.142	0.117	0.063
1.60V/cell	4.41	2.68	2.02	1.65	1.23	0.906	0.728	0.434	0.318	0.258	0.216	0.186	0.145	0.119	0.063

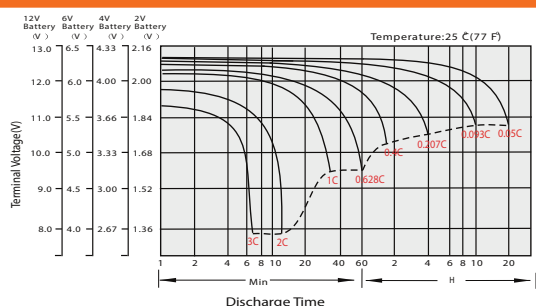
CONSTANT POWER DISCHARGE (WATTS) AT 25°C

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	4.35	3.06	2.55	2.23	1.80	1.39	1.4	0.701	0.536	0.442	0.377	0.327	0.261	0.217	0.120
1.80V/cell	5.28	3.61	2.93	2.50	1.98	1.51	1.2	0.741	0.560	0.462	0.390	0.339	0.269	0.224	0.121
1.75V/cell	6.18	4.05	3.20	2.70	2.10	1.59	1.2	0.768	0.577	0.474	0.399	0.345	0.274	0.226	0.121
1.70V/cell	6.93	4.42	3.43	2.88	2.19	1.64	1.3	0.796	0.592	0.483	0.406	0.352	0.277	0.229	0.124
1.65V/cell	7.54	4.69	3.59	2.99	2.26	1.70	1.3	0.814	0.604	0.490	0.413	0.357	0.280	0.231	0.124
1.60V/cell	7.79	4.82	3.70	3.05	2.30	1.72	1.9	0.834	0.615	0.499	0.419	0.362	0.284	0.234	0.124

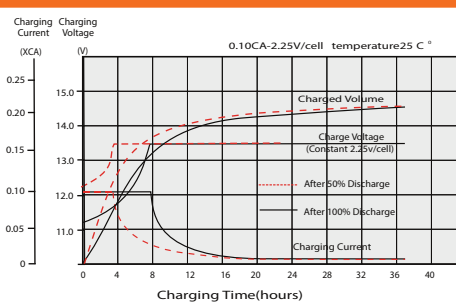
DISCHARGE CHARACTERISTICS

CARACTÉRISTIQUES DE DÉCHARGE



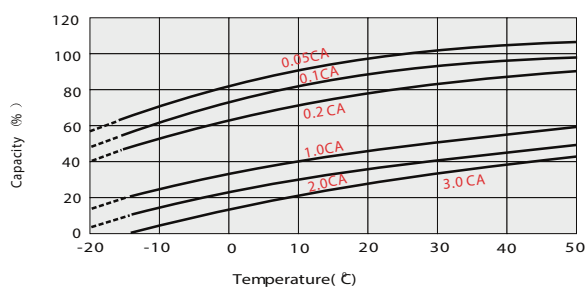
FLOAT CHARGING CHARACTERISTICS

CARACTÉRISTIQUES DE CHARGE EN FLOATING



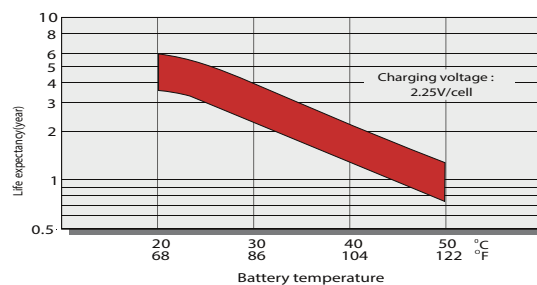
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY

EFFET DE LA TEMPÉRATURE SUR LA BATTERIE



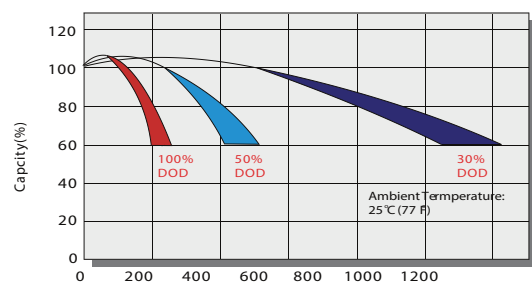
EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE

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

