



AGM LEAD ACID BATTERY

BATTERIE PLOMB AGM

2.8-6 General Purpose F4.8

MAIN INFORMATION / INFORMATIONS GÉNÉRALES

BRAND / MARQUE	NX
TECHNOLOGY / TECHNOLOGIE	AGM Lead acid
NOMINAL VOLTAGE / TENSION NOMINALE	6V
NOMINAL CAPACITY / CAPACITÉ NOMINALE (C ₂₀ , 1.75V/cell)	2.8Ah
DIMENSIONS / DIMENSIONS	
• Length / Longueur	66 ± 1mm (2.60 inches)
• Width / Largeur	33 ± 1mm (1.30 inches)
• Height / Hauteur	97 ± 1mm (3.82 inches)
• Total height with terminals / Hauteur totale (avec cosSES)	103 ± 2mm (4.06 inches)
WEIGHT (± 4 %) / POIDS (± 4 %)	Approx 0.55kg (1.21lbs)
TERMINAL / TYPE DE COSSES	F4.8 = FASTON 4.8
CASING / TYPE DE BAC	ABS

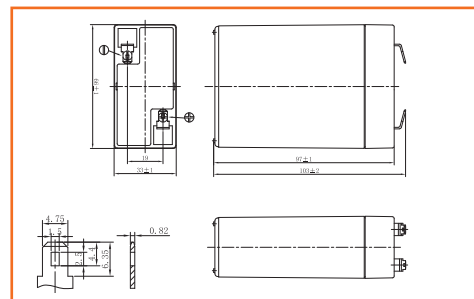


TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

CAPACITY / CAPACITÉ	2.80Ah/0.140A (20hr, 1.75V/cell, 25°C/77°F)
	2.65Ah/0.265A (10hr, 1.75V/cell, 25°C/77°F)
	2.41Ah/0.482A (5hr, 1.75V/cell, 25°C/77°F)
	2.16Ah/0.719A (3hr, 1.75V/cell, 25°C/77°F)
	1.89Ah/1.89A (1hr, 1.60V/cell, 25°C/77°F)
DISCHARGE CURRENT / COURANT DE DÉCHARGE	42A (5s)
INTERNAL RESISTANCE / RÉSISTANCE INTERNE	Approx 22mΩ
OPERATING TEMPERATURE RANGE / PLAGE DE TEMPÉRATURE	
• Discharging / Décharge	-15°~50°C (5 ~122°F)
• Charging / Charge	-20°~40°C (-4 ~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 / APPLICATIONS

All purpose / Tout usage	Aircraft signal / Signal d'avion
UPS / Onduleur	Electronic devices and equipment / Appareils et équipements électroniques
Emergency light / Éclairage de secours	Emergency backup / Alimentation de secours
Railway signal / Signalisation ferroviaire	Power supply / Réserve d'énergie
Alarm and security system / Alarme et sécurité	

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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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CONSTANT CURRENT DISCHARGE CHARACTERISTICS / CARACTÉRISTIQUES DE DÉCHARGE À COURANT CONSTANT

FV/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	9.02	6.18	4.81	3.91	2.88	2.11	1.71	1.25	0.972	0.697	0.551	0.469	0.402	0.316	0.259	0.137
1.80V/cell	9.70	6.55	5.05	4.07	2.97	2.16	1.75	1.27	0.990	0.708	0.559	0.476	0.408	0.321	0.262	0.138
1.75V/cell	10.2	6.82	5.22	4.18	3.05	2.21	1.79	1.30	1.01	0.719	0.567	0.482	0.413	0.325	0.265	0.140
1.70V/cell	10.7	7.09	5.39	4.30	3.12	2.26	1.82	1.32	1.02	0.730	0.575	0.489	0.418	0.328	0.268	0.141
1.67V/cell	11.1	7.29	5.52	4.39	3.18	2.29	1.85	1.33	1.03	0.737	0.580	0.493	0.421	0.331	0.269	0.142
1.60V/cell	11.7	7.60	5.71	4.52	3.27	2.35	1.89	1.36	1.06	0.751	0.590	0.501	0.427	0.335	0.273	0.144

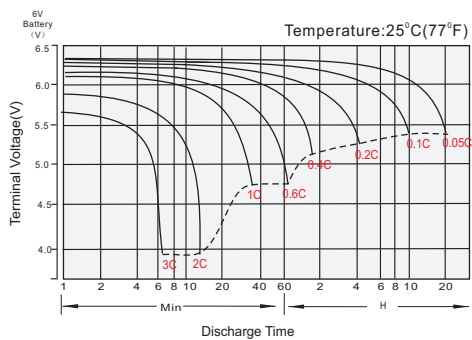
Units: Amperes (25°C, 77°F)

CONSTANT POWER DISCHARGE CHARACTERISTICS / CARACTÉRISTIQUES DE DÉCHARGE À PUISSANCE CONSTANTE

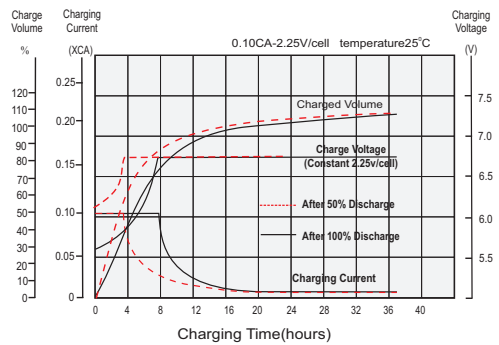
FV/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	17.1	11.8	9.21	7.54	5.57	4.08	3.33	2.43	1.90	1.37	1.09	0.926	0.795	0.627	0.514	0.274
1.80V/cell	18.2	12.4	9.61	7.80	5.72	4.18	3.40	2.48	1.93	1.39	1.10	0.938	0.806	0.636	0.521	0.277
1.75V/cell	18.9	12.8	9.87	7.97	5.84	4.25	3.46	2.51	1.96	1.41	1.11	0.949	0.814	0.642	0.525	0.280
1.70V/cell	19.6	13.2	10.1	8.16	5.96	4.33	3.51	2.55	1.99	1.43	1.13	0.961	0.823	0.648	0.531	0.282
1.67V/cell	20.1	13.5	10.4	8.31	6.05	4.39	3.56	2.58	2.01	1.44	1.14	0.968	0.830	0.653	0.534	0.284
1.60V/cell	21.0	13.9	10.6	8.51	6.18	4.47	3.62	2.62	2.04	1.46	1.15	0.981	0.840	0.662	0.540	0.288

Units: Amperes (25°C, 77°F)

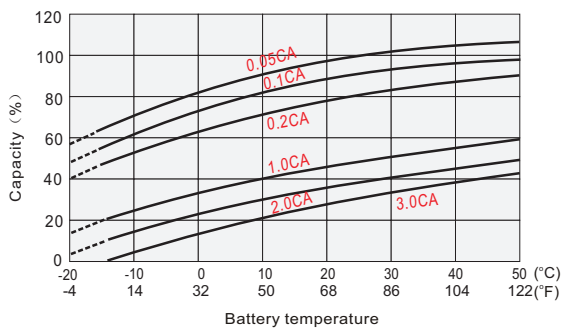
**DISCHARGE CHARACTERISTICS (25°C)
CARACTÉRISTIQUES DE DÉCHARGE**



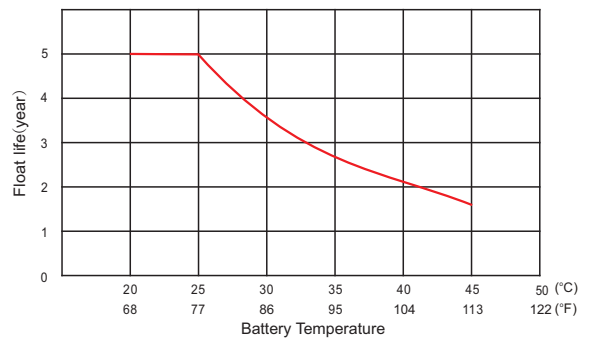
**FLOAT CHARGING CHARACTERISTICS
CARACTÉRISTIQUES DE CHARGE EN FLOATING**



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



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



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