Ref. : AMP9022

AGM LEAD ACID BATTERY NX 3.5-6 GENERAL PURPOSE
BATTERIE PLOMB AGM NX 3.5-6 GENERAL PURPOSE
6V 3.5Ah F4.8

MAIN INFORMATION / INFORMATIONS GÉNÉRALES

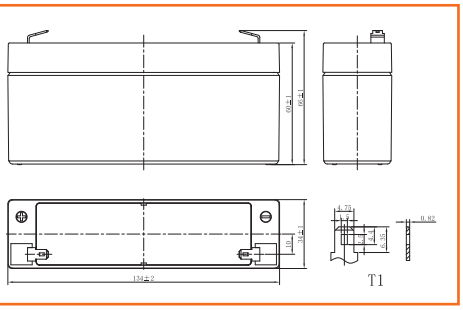
BRAND / MARQUE	NX
TECHNOLOGY / TECHNOLOGIE	AGM Lead acid
NOMINAL VOLTAGE / TENSION NOMINALE	6V
NOMINAL CAPACITY / CAPACITÉ NOMINALE (C20; 1,75V/cell)	3.5Ah
DESIGN LIFE / DURÉE DE VIE ESTIMÉE (25°C)	5 ans
DIMENSIONS / DIMENSIONS	
• **Length /** Longueur	134mm (5.28 inches)
• **Width /** Largeur	34mm (1.34 inches)
• **Height /** Hauteur	60mm (2.36 inches)
• **Total height with terminals /** Hauteur totale (avec cosses)	66mm (2.60 inches)
WEIGHT (± 4%) **/** POIDS (± 4%)	0.6Kg
TERMINAL / TYPE DE COSSES	F4.8 = (Faston 4.8)
CASING / TYPE DE BAC	ABS

TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

CAPACITY / CAPACITÉ	3.5Ah (20hr, 0.175A, 1.75V/cell)
	3.31Ah (10hr, 0.331A, 1.75V/cell)
	3.01Ah (5hr, 0.602A, 1.75V/cell)
	2.62Ah (3hr, 0.872A, 1.75V/cell)
	2.15Ah (1hr, 2.15A, 1.60V/cell)
DISCHARGE CURRENT / COURANT DE DÉCHARGE	48A (5s)
INTERNAL RESISTANCE / RÉSISTANCE INTERNE	Approx 30mΩ
OPERATING TEMPERATURE RANGE / PLAGE DE TEMPÉRATURE	
• **Discharging /** Décharge	-15~50°C
• **Charging /** Charge	-20~40°C
• **Storage /** Stockage	-15~40°C
NOMINAL OPERATING TEMPERATURE / TEMPÉRATURE D'UTILISATION	25 ± 3°C (77 ± 5°F)
CYCLE USE / UTILISATION DU CYCLE	Initial Charging Current less than
	0.96A. Voltage 7.2V ≈ 7.5V at 25°C
	(77°F) Temp. Coefficient -15mV/°C
STANDBY USE / UTILISATION EN MODE VEILLE	Initial Charging Current less than
	0.96A. Voltage 6.75 ≈ 6.9V at 25°C
	(77°F) Temp. Coefficient -15mV/°C
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
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

CONSTANT CURRENT DISCHARGE CHARACTERISTICS / CARACTÉRISTIQUES DE DÉCHARGE À COURANT CONSTANT

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	10.6	7.36	5.72	4.66	3.43	2.47	1.94	1.45	1.15	0.845	0.681	0.586	0.502	0.396	0.323	0.171
1.80V/cell	11.4	7.80	6.01	4.84	3.53	2.54	1.99	1.48	1.18	0.859	0.691	0.595	0.510	0.401	0.328	0.173
1.75V/cell	12.0	8.11	6.21	4.98	3.62	2.59	2.03	1.50	1.20	0.872	0.700	0.602	0.516	0.406	0.331	0.175
1.70V/cell	12.5	8.44	6.41	5.12	3.72	2.65	2.07	1.53	1.21	0.885	0.710	0.611	0.522	0.410	0.334	0.176
1.67V/cell	13.0	8.67	6.57	5.23	3.78	2.69	2.10	1.55	1.23	0.894	0.717	0.616	0.527	0.413	0.337	0.178
1.60V/cell	13.8	9.04	6.80	5.38	3.88	2.76	2.15	1.58	1.25	0.910	0.729	0.626	0.534	0.419	0.341	0.180

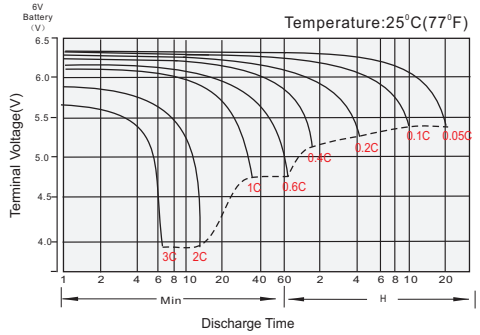
Units: Amperes (25°C, 77°F)

CONSTANT POWER DISCHARGE CHARACTERISTICS / CARACTÉRISTIQUES DE DÉCHARGE À PUISSANCE CONSTANTE

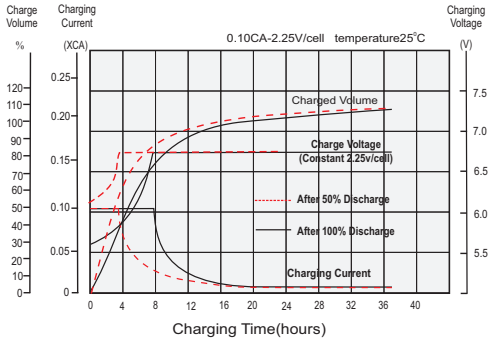
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	20.0	14.0	11.0	8.97	6.62	4.79	3.78	2.82	2.26	1.66	1.34	1.16	0.99	0.784	0.643	0.342
1.80V/cell	21.3	14.7	11.4	9.28	6.80	4.90	3.86	2.87	2.29	1.68	1.36	1.17	1.01	0.795	0.651	0.346
1.75V/cell	22.2	15.2	11.7	9.48	6.94	4.99	3.93	2.92	2.33	1.71	1.38	1.19	1.02	0.803	0.657	0.350
1.70V/cell	23.0	15.7	12.1	9.70	7.09	5.08	3.99	2.96	2.36	1.73	1.39	1.20	1.03	0.810	0.663	0.353
1.67V/cell	23.6	16.1	12.3	9.88	7.20	5.15	4.04	2.99	2.38	1.74	1.40	1.21	1.04	0.816	0.668	0.356
1.60V/cell	24.6	16.5	12.7	10.1	7.36	5.24	4.11	3.04	2.42	1.77	1.42	1.23	1.05	0.827	0.675	0.359

Units: Amperes (25°C, 77°F)

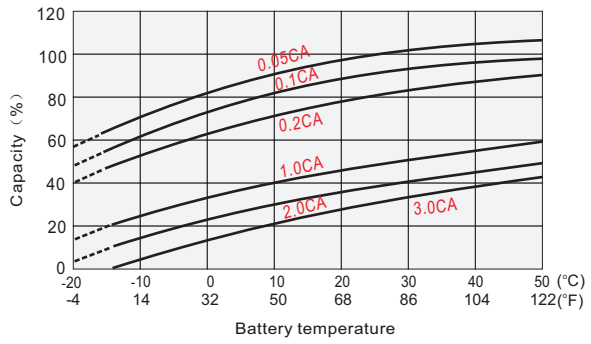
DISCHARGE CHARACTERISTICS (25°C)
CHARACTÉRISTIQUES DE DÉCHARGE



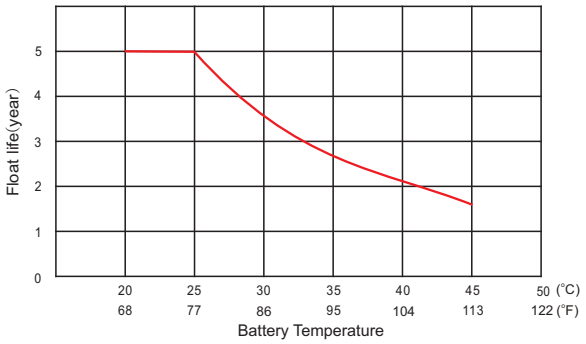
FLOAT CHARGING CHARACTERISTICS
CHARACTÉRISTIQUES DE CHARGE EN FLOATING



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



OUTLINE SAFETY WARNING: USE ONLY WITH IN 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.