



AGM LEAD ACID BATTERY

2.3-12 General Purpose TU



MAIN INFORMATION / INFORMATIONS GÉNÉRALES

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|--|--------------------------|
| BRAND / MARQUE | NX |
| TECHNOLOGY / TECHNOLOGIE | AGM Lead acid |
| NOMINAL VOLTAGE / TENSION NOMINALE | 12V |
| NOMINAL CAPACITY / CAPACITÉ NOMINALE | 2.3Ah (20hr) |
| DIMENSIONS / DIMENSIONS | |
| • Length / Longueur | 182 ± 2mm (7.17 inches) |
| • Width / Largeur | 24 ± 2mm (0.94 inches) |
| • Height / Hauteur | 62 ± 2mm 5 (2.44 inches) |
| • Total height with terminals / Hauteur totale (avec cosse) | 62 ± 2mm (2.44 inches) |
| WEIGHT (± 4 %) / POIDS (± 4 %) | Approx 0.78Kg |
| TERMINAL / TYPE DE COSSES | TU |
| CASING / TYPE DE BAC | UL94 HB (Standard ABS) |
| COLOUR / COULEUR DE BAC | Black top and black case |
| FLOAT SERVICE LIFE / DURÉE DE VIE EN CHARGE PERMANENTE | 5 years (20°C) |

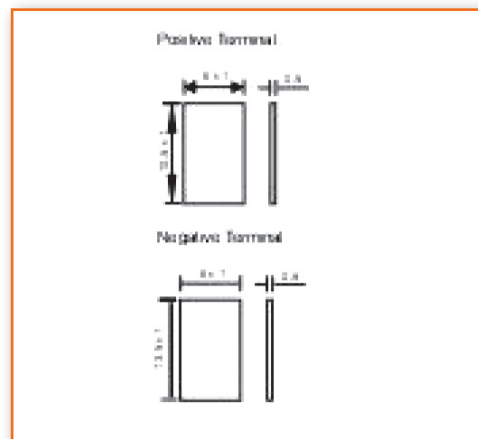


TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

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| CAPACITY / CAPACITÉ | 2.3Ah (20hr, 1.80V/cell, 25°C/77°F) 2.2Ah (10hr, 1.80V/cell, 25°C/77°F) 2.0Ah (5hr, 1.75V/cell, 25°C/77°F) 1.4Ah (1hr, 1.75V/cell, 25°C/77°F) |
| MAX DISCHARGE CURRENT / COURANT DE DÉCHARGE | 11.5A (5s) |
| MAX CHARGING CURRENT / COURANT DE CHARGE | 0.69A |
| INTERNAL RESISTANCE / RÉSISTANCE INTERNE | Approx 65mΩ |
| OPERATING TEMPERATURE RANGE / PLAGE DE TEMPÉRATURE | -15°~50°C (5 ~122°F) |
| FLOAT CHARGING VOLTAGE / TENSION DE CHARGE EN FLOATING (25°C) | 13.60 to 13.80V |
| CYCLIC CHARGING VOLTAGE / TENSION DE CHARGE EN CYCLAGE (25°C) | 14.50 to 14.90V |
| SELF DISCHARGE / AUTO-DECHARGE (25°C) | Remaining Capacity: 91% (3 months) Remaining Capacity: 82% (6 months) Remaining Capacity: 65% (12 months) |
| NOMINAL OPERATING TEMPERATURE / TEMPÉRATURE D'UTILISATION | 25 ± 3°C (77 ± 5°F) |
| CAPACITY VS TEMPERATURE / CAPACITÉ SELON LA TEMPÉRATURE | 40°C (104°F) 102% 25°C (77°F) 100% 0°C (32°F) 85% |

Terminal

Unité : mm / Unit: inches



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 / Alerte et sécurité | |

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| 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 |



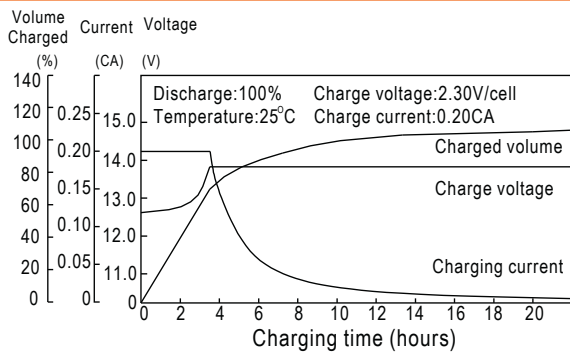
CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C
TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C

| F.V/Time | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h | 20h |
|----------|------|-------|-------|-------|------|------|------|------|------|
| 9.60V | 7.60 | 4.80 | 3.80 | 2.20 | 1.30 | 0.51 | 0.35 | 0.19 | 0.10 |
| 10.2V | 7.22 | 4.56 | 3.65 | 2.11 | 1.25 | 0.50 | 0.34 | 0.19 | 0.10 |
| 10.8V | 6.79 | 4.29 | 3.47 | 2.01 | 1.19 | 0.49 | 0.33 | 0.18 | 0.10 |

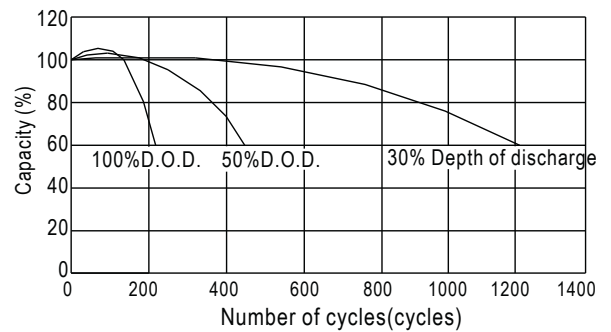
CONSTANT POWER DISCHARGE (WATTS) AT 25°C
DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C

| F.V/Time | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h | 20h |
|----------|------|-------|-------|-------|------|------|------|------|------|
| 9.60V | 84.8 | 54.1 | 43.3 | 25.2 | 15.1 | 6.03 | 4.12 | 2.24 | 1.22 |
| 10.2V | 80.6 | 51.4 | 41.6 | 24.2 | 14.5 | 5.94 | 4.06 | 2.22 | 1.21 |
| 10.8V | 75.7 | 48.4 | 39.5 | 23.0 | 13.7 | 5.82 | 3.98 | 2.22 | 1.20 |

FLOAT CHARGE CHARACTERISTICS
CHARACTERISTIQUES DE CHARGE EN FLOATING



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



RELATIONSHIP FOR OPEN CIRCUIT VOLTAGE AND RESIDUAL CAPACITY
RELATION ENTRE OCV ET CAPACITE (25°C)

