



UPS HIGH RATE FRONT TERMINAL BATTERY

BATTERIE UPS HIGH RATE FRONT TERMINAL

12FTA-100 UPS HIGH RATE M8-F

AGM
UPS

MAIN INFORMATION / INFORMATIONS GÉNÉRALES

| | | |
|---|-------------------|---|
| BRAND | MARQUE | NX |
| TECHNOLOGY | TECHNOLOGIE | AGM Lead acid / Plomb AGM |
| VOLTAGE | TENSION | 12V |
| NOMINAL CAPACITY | CAPACITÉ NOMINALE | 100Ah (10h) 87Ah (5h) 65,3Ah (1h) |
| DIMENSIONS (±2mm) | DIMENSIONS (±2mm) | |
| • Length / Longueur | | 395mm |
| • Width / Largeur | | 110mm |
| • Height / Hauteur | | 286mm |
| • Total height with terminals / Hauteur totale (avec cosses) | | 286mm |
| WEIGHT | POIDS | 30.5kg (±2%) |
| TERMINAL | BORNES | M8-F |

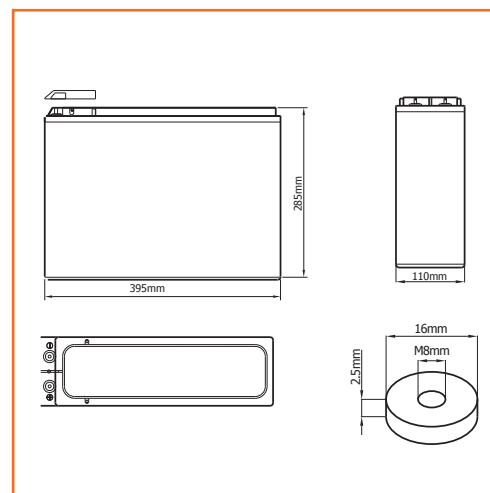


TECHNICAL INFORMATION / INFORMATIQUES TECHNIQUES

| | | |
|--------------------------------------|-------------------------------|-------------------------|
| MAXD DISCHARGE CURRENT | COURANT DE DÉCHARGE MAX | 800A (5s) |
| MAX CHARGING CURRENT | COURANT DE CHARGE | 30A |
| INTERNAL RESISTANCE | RÉSISTANCE INTERNE | Approx. 5mΩ |
| OPERATING TEMPERATURE RANGE | PLAGE DE TEMPÉRATURE | |
| • Discharging / Décharge | | -15°C~50°C (5°F~122°F) |
| • Charging / Charge | | -10°C~50°C (14°F~122°F) |
| • Storage / Stockage | | -20°C~50°C (-4°F~122°F) |
| NOMINAL OPERATING TEMPERATURE | | 25°C±3°C(77°F±5°F) |
| PLAGE DE TEMPÉRATURE | | |
| CAPACITY VS TEMPERATURE | CAPACITÉ SELON LA TEMPÉRATURE | |
| | | 40°C: 102% |
| | | 25°C: 100% |
| | | 0°C: 85% |
| | | -15°C: 65% |

TERMINAL: M8-F

Unit: mm / Unité: mm



APPLICATIONS

POWER CABINETS / ARMOIRES ÉLECTRIQUES

TELECOMS / TÉLÉCOMMUNICATIONS

UPS / ONDULEURS

POWER SUPPLY / RÉSERVE D'ÉNERGIE

RAILWAY AND MARINE SIGNAL / SIGNALISATION FERROVIAIRE ET MARINE

| | |
|--|-------------------------------------|
| TMD 1 DESCRIPTION, CLASSE: 2800 | |
| ADR: Not regulated | IMDG: Not regulated |
| IATA: Exempt | PROCÉDURE TMD: Proc 2 UN2800 |



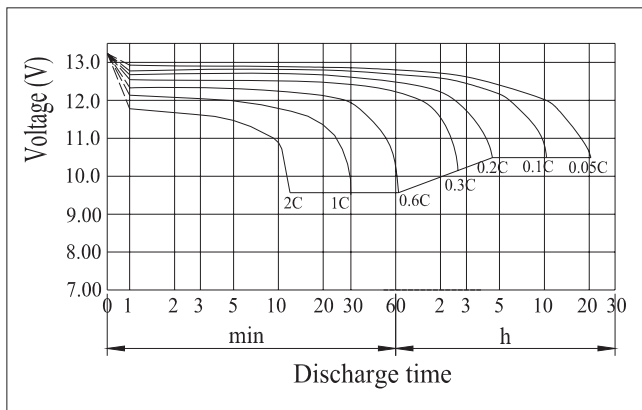
CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A, 25°C)
CARACTÉRISTIQUES DE DÉCHARGE À COURANT CONSTANT (A, 25°C)

| FV/TIME | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|------------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 9.60V/cell | 176 | 111 | 65.3 | 37.4 | 27.0 | 21.5 | 18.1 | 15.6 | 12.5 | 10.4 | 5.44 |
| 9.90V/cell | 171 | 108 | 64.4 | 37.0 | 26.7 | 21.3 | 17.8 | 15.4 | 12.3 | 10.3 | 5.41 |
| 10.2V/cell | 165 | 106 | 63.1 | 36.5 | 26.5 | 21.1 | 17.6 | 15.3 | 12.2 | 10.2 | 5.38 |
| 10.5V/cell | 158 | 103 | 62.0 | 36.0 | 26.1 | 20.8 | 17.4 | 15.1 | 12.1 | 10.1 | 5.35 |
| 10.8V/cell | 146 | 99.6 | 60.3 | 35.2 | 25.7 | 20.5 | 17.2 | 14.8 | 11.9 | 10.0 | 5.30 |

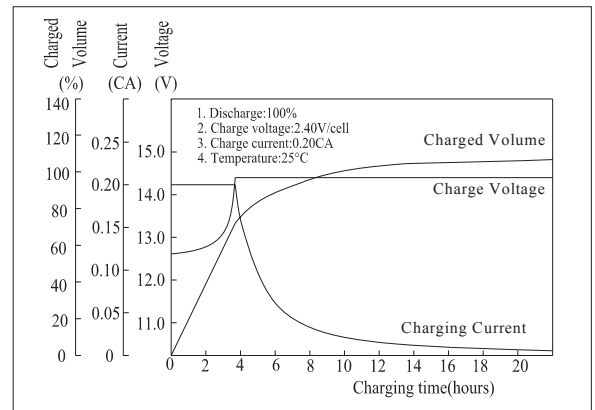
CONSTANT POWER DISCHARGE CHARACTERISTICS (WATT, 25°C)
CARACTÉRISTIQUES DE DÉCHARGE À PUISSANCE CONSTANTE (WATT, 25°C)

| FV/TIME | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|------------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|------|
| 9.60V/cell | 1869 | 1231 | 744 | 430 | 313 | 250 | 211 | 184 | 147 | 124 | 64.8 |
| 9.90V/cell | 1854 | 1218 | 741 | 429 | 311 | 249 | 209 | 181 | 146 | 124 | 64.8 |
| 10.2V/cell | 1800 | 1194 | 728 | 423 | 309 | 247 | 206 | 180 | 145 | 121 | 64.2 |
| 10.5V/cell | 1743 | 1165 | 717 | 418 | 306 | 244 | 205 | 178 | 143 | 121 | 64.2 |
| 10.8V/cell | 1639 | 1133 | 701 | 411 | 302 | 241 | 203 | 176 | 141 | 120 | 63.6 |

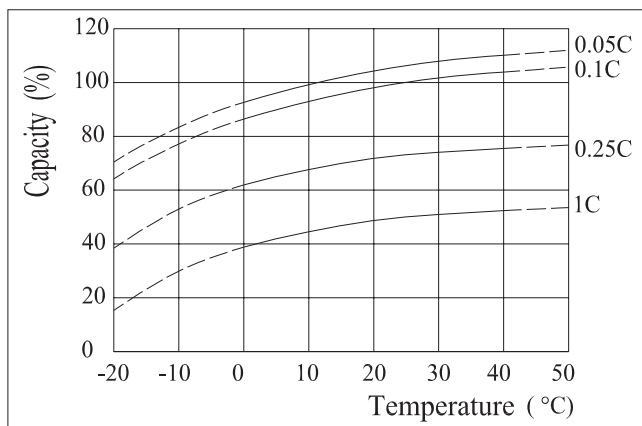
DISCHARGE CHARACTERISTICS(25°C)
CARACTÉRISTIQUES DE DÉCHARGE (25°C)



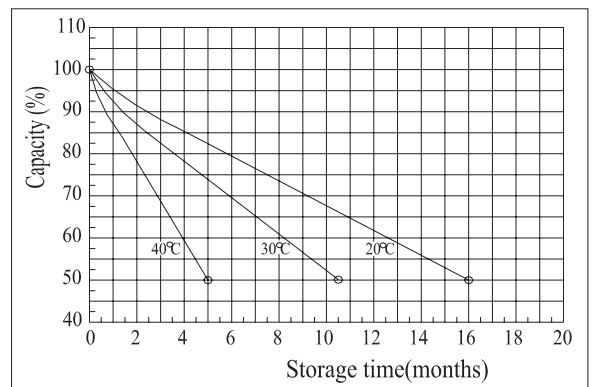
CHARGING CHARACTERISTICS(25°C)
CARACTÉRISTIQUES DE CHARGE (25°C)



EFFECT OF TEMPERATURE ON CAPACITY
EFFET DE LA TEMPÉRATURE SUR LA CAPACITÉ



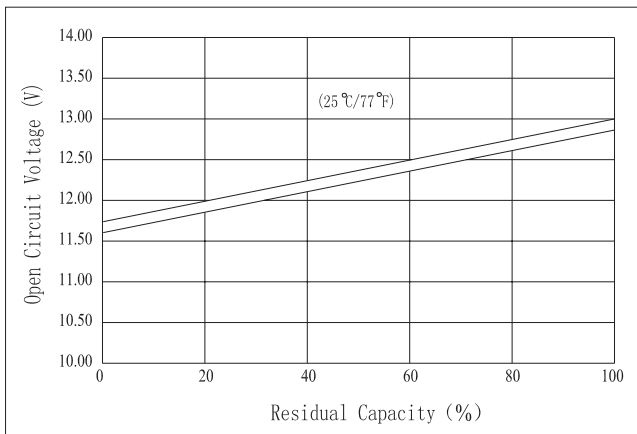
SELF-DISCHARGE CHARACTERISTICS
CARACTÉRISTIQUES D'AUTO-DÉCHARGE



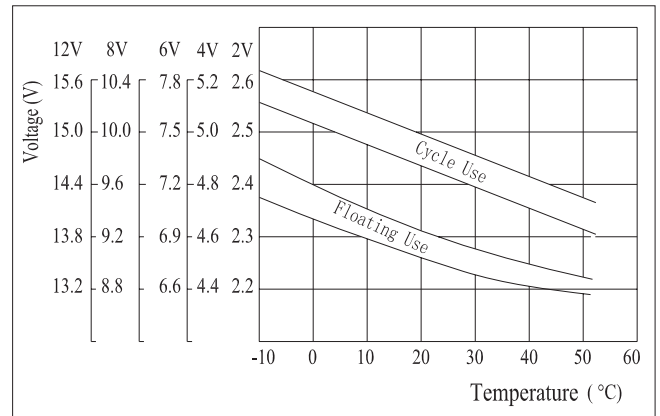
| | |
|--|-------------------------------------|
| TMD 1 DESCRIPTION, CLASSE: 2800 | |
| ADR: Not regulated | IMDG: Not regulated |
| IATA: Exempt | PROCÉDURE TMD: Proc 2 UN2800 |



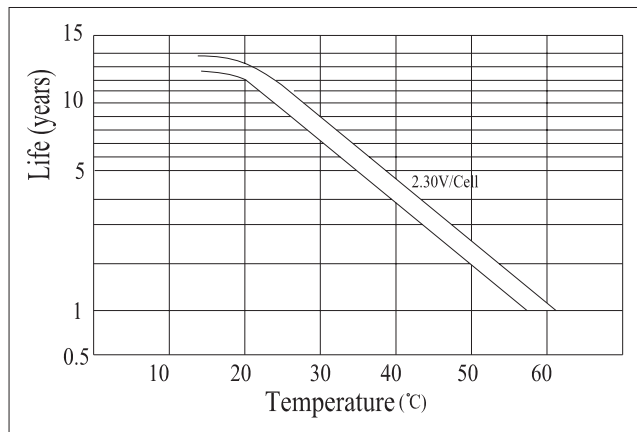
THE RELATIONSHIP FOR OPEN CIRCUIT VOLTAGE AND RESIDUAL CAPACITY (25°C)
 LA RELATION ENTRE LA TENSION EN CIRCUIT OUVERT ET LA CAPACITÉ RÉSIDUELLE (25°C)



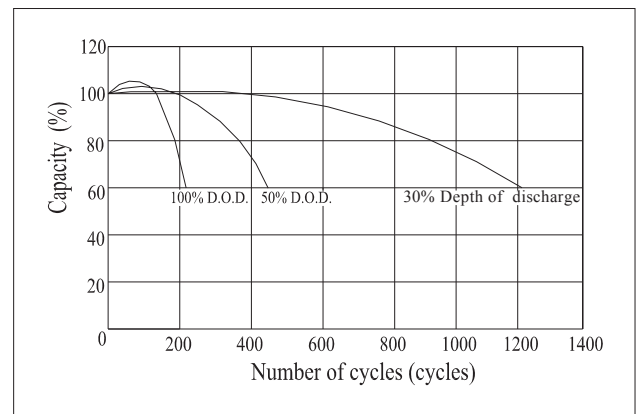
THE RELATIONSHIP FOR CHARGING VOLTAGE AND TEMPERATURE
 LA RELATION ENTRE LA TENSION ET LA TEMPÉRATURE DE CHARGE



FLOATING LIFE ON TEMPERATURE
 DURÉE DE VIE EN FLOATING À TEMPÉRATURE



CYCLE LIFE ON D.O.D (25°C)
 CYCLE DE VIE SUR D.O.D (25°C)



| | |
|--|-------------------------------------|
| TMD 1 DESCRIPTION, CLASSE: 2800 | |
| ADR: Not regulated | IMDG: Not regulated |
| IATA: Exempt | PROCÉDURE TMD: Proc 2 UN2800 |

