



AGM LEAD ACID BATTERY

F 12V-100Ah

AGM
STANDARD

MAIN INFORMATION / INFORMATIONS GÉNÉRALES

BRAND / MARQUE	NX
TECHNOLOGY / TECHNOLOGIE	AGM Lead acid
NOMINAL VOLTAGE / TENSION NOMINALE	12V
NOMINAL CAPACITY / CAPACITÉ NOMINALE	100Ah (10hr)
DIMENSIONS (± 2 mm) / DIMENSIONS (± 2 mm)	
• Length / Longueur	560 ± 3mm (22.04 inches)
• Width / Largeur	110 ± 2mm (4.33 inches)
• Height / Hauteur	233 ± 3mm (9.17 inches)
• Total height with terminals / Hauteur totale (avec cosses)	233 ± 3mm (9.17 inches)
WEIGHT (± 2 %) / POIDS (± 2 %)	Approx. 26 kg (57.3 lbs)
TERMINAL / TYPE DE COSSES	T13
CASING / TYPE DE BAC	UL94 HB (Standard ABS)
COLOR / COULEUR DE BAC	Black top and black case

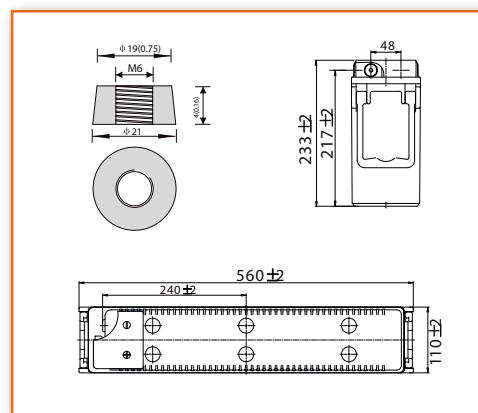


TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

CAPACITY / CAPACITÉ	106.8Ah / 5.34A (20hr, 1.80V/cell, 25°C/77°F) 100.0Ah / 10.0A (10hr, 1.80V/cell, 25°C/77°F) 96.8Ah / 12.1A (8hr, 1.80V/cell, 25°C/77°F) 89.0Ah / 17.8A (5hr, 1.75V/cell, 25°C/77°F) 64.3Ah / 64.3A (1hr, 1.67V/cell, 25°C/77°F)
DISCHARGE CURRENT / COURANT DE DÉCHARGE	15A (5S)
INTERNAL RESISTANCE / RÉSISTANCE INTERNE	Approx 4.3mΩ
OPERATING TEMPERATURE RANGE / PLAGES 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%

T13 / Terminal

Unité : mm / Unit: inches



APPLICATIONS

- Power cabinets / Armoires électriques
- Telecoms / Télécommunications
- UPS / Onduleurs
- Power supply / Réserve d'énergie
- Railway and marine signal / Signalisation ferroviaire et marine



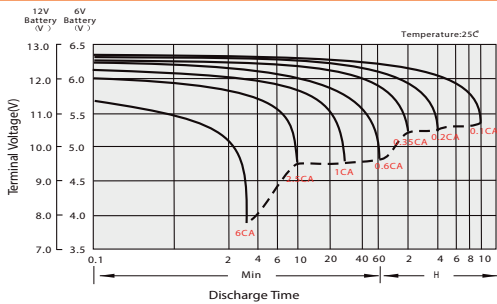
CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C
TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C

F.V/Temps	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	154.2	132.0	117.0	93.4	71.3	57.4	33.8	25.0	20.2	17.0	14.9	11.8	9.75	5.18
1.80V/cell	181.2	150.8	129.6	101.2	75.3	59.9	34.8	25.7	20.7	17.5	15.2	12.1	10.0	5.34
1.75V/cell	195.0	159.6	135.6	104.8	77.6	61.7	35.6	26.1	21.1	17.8	15.5	12.3	10.1	5.41
1.70V/cell	205.8	167.6	141.3	107.4	79.1	63.1	36.1	26.6	21.3	18.0	15.6	12.4	10.2	5.47
1.67V/cell	216.0	172.4	145.2	110.0	80.8	64.3	36.7	27.0	21.6	18.2	15.8	12.5	10.3	5.50
1.60V/cell	223.2	177.2	148.8	112.0	82.3	65.3	37.3	27.4	21.9	18.5	16.0	12.7	10.4	5.53

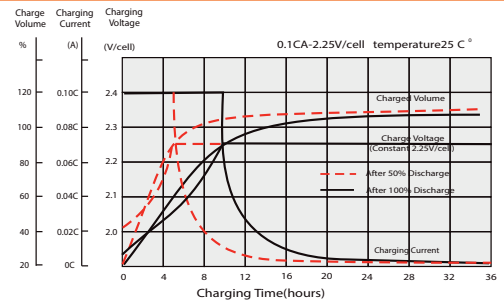
CONSTANT POWER DISCHARGE (WATTS) AT 25°C
DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C

F.V/Temps	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	287.9	249.0	222.9	179.9	138.5	111.9	66.3	49.2	39.8	33.7	29.5	23.6	19.5	10.4
1.80V/cell	334.4	280.6	243.3	192.0	145.2	116.1	67.8	50.4	40.7	34.6	30.1	24.1	20.0	10.7
1.75V/cell	354.2	293.4	252.1	197.2	148.1	119.1	69.0	51.0	41.2	35.0	30.5	24.4	20.2	10.8
1.70V/cell	365.4	303.9	260.8	200.9	150.4	121.4	69.9	51.8	41.7	35.4	30.8	24.6	20.4	10.9
1.67V/cell	382.0	311.3	266.9	205.4	153.2	123.4	71.0	52.4	42.2	35.7	31.0	24.8	20.5	11.0
1.60V/cell	383.9	313.6	269.7	206.4	154.3	124.1	71.5	52.9	42.5	36.0	31.3	25.0	20.6	11.0

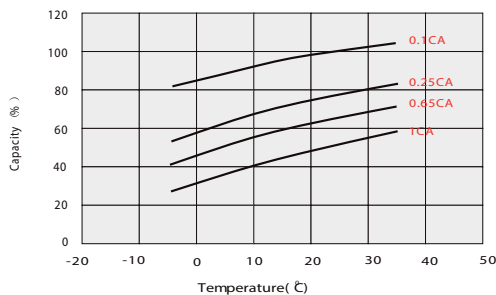
DISCHARGE CHARACTERISTICS
CARACTÉRISTIQUES DE DÉCHARGE



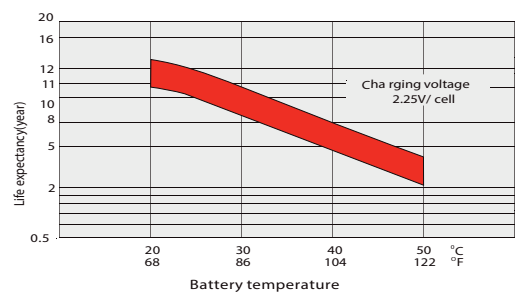
FLOAT CHARGING CHARACTERISTICS
CARACTÉRISTIQUES DE CHARGE EN FLOATING



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



SELF DISCHARGE CHARACTERISTICS
RELATION ENTRE LA CAPACITÉ ET LE TEMPS DE STOCKAGE

