



GEL BATTERY

G 12V-100Ah



MAIN INFORMATION / INFORMATIONS GÉNÉRALES

BRAND / MARQUE	NX
TECHNOLOGY / TECHNOLOGIE	Gel lead acid
NOMINAL VOLTAGE / TENSION NOMINALE	12V
NOMINAL CAPACITY / CAPACITÉ NOMINALE	100Ah (20hr)
DIMENSIONS (± 2 mm) / DIMENSIONS (± 2 mm)	
• Length / Longueur	330 ± 1mm (12.99 inches)
• Width / Largeur	173 ± 1mm (6.81 inches)
• Height / Hauteur	212 ± 1mm (8.35 inches)
• Total height with terminals / Hauteur totale (avec cosSES)	220 ± 1mm (8.66 inches)
WEIGHT (± 2 %) / POIDS (± 2 %)	Approx 31 kg (68.4lbs)
TERMINAL / TYPE DE COSSES	T11
CASING / TYPE DE BAC	UL94 HB (Standard ABS)
COLOR / COULEUR DE BAC	Black top and grey case

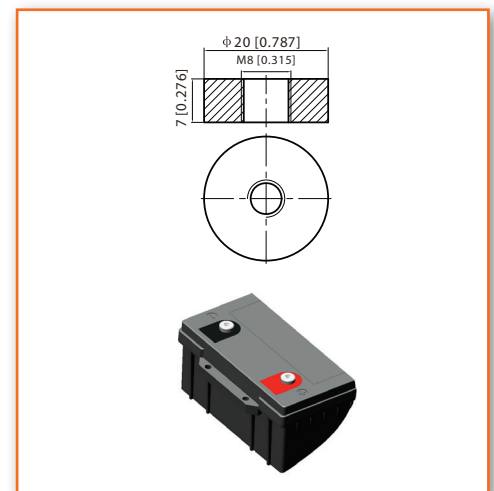


TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

CAPACITY / CAPACITÉ	100Ah / 4.80A (20hr, 1.80V/cell, 25°C/77°F) 90.0Ah / 9.00A (10hr, 1.80V/cell, 25°C/77°F) 80.0Ah / 16.0A (5hr, 1.75V/cell, 25°C/77°F) 69.6Ah / 23.2A (3hr, 1.75V/cell, 25°C/77°F) 55.0Ah / 55.0A (1hr, 1.67V/cell, 25°C/77°F)
DISCHARGE CURRENT / COURANT DE DÉCHARGE	1000A (5s)
INTERNAL RESISTANCE / RÉSISTANCE INTERNE	Approx 5.5mΩ
OPERATING TEMPERATURE RANGE / PLAGES DE TEMPÉRATURE	
• Discharging / Décharge	-20°~55°C (-4 ~131°F)
• Charging / Charge	0°~40°C (32 ~104°F)
• Storage / Stockage	-20°~50°C (-4 ~122°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%

T11 / Terminal

Unité : mm / Unit: inches



APPLICATIONS

- Telecommunications / Télécommunications
- Solar system / Système d'énergie solaire
- Wind power system / Système d'énergie éolienne
- Engine starting / Démarrage de moteur
- Wheelchair / Fauteuil roulant
- Floor cleaning machines / Autolaveuses
- Golf trolley / Chariots de golf
- Boats / Bateaux



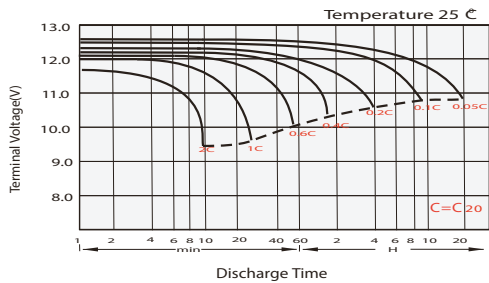
CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C
TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	84.6	66.4	50.7	42.4	26.9	20.5	17.0	14.7	12.3	10.9	9.8	8.96	8.47	4.61
1.80V/cell	96.9	74.2	55.9	46.8	29.1	22.0	18.0	15.4	12.9	11.4	10.3	9.42	8.85	4.80
1.75V/cell	108.9	81.6	60.4	50.1	30.9	23.2	18.9	16.0	13.3	11.8	10.6	9.7	9.00	4.90
1.70V/cell	117.3	87.4	64.1	53.0	32.7	24.2	19.5	16.5	13.8	12.2	10.9	10.0	9.23	4.96
1.67V/cell	122.1	90.8	66.4	55.0	33.6	24.9	20.0	16.8	14.0	12.3	11.1	10.1	9.34	5.01
1.60V/cell	132.3	97.2	71.3	58.4	34.9	25.9	20.7	17.4	14.4	12.6	11.3	10.3	9.53	5.08

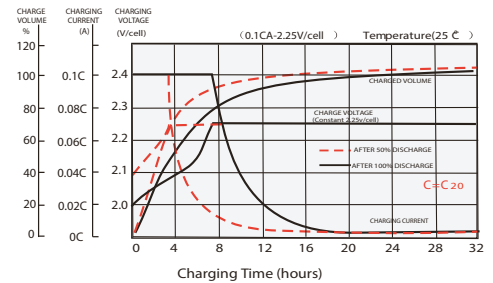
CONSTANT POWER DISCHARGE (WATTS) AT 25°C
DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	161.9	128.0	98.2	82.6	52.6	40.2	33.4	28.9	24.3	21.6	19.5	17.8	16.9	9.20
1.80V/cell	183.0	141.6	107.5	90.7	56.6	42.9	35.3	30.3	25.4	22.5	20.4	18.7	17.6	9.57
1.75V/cell	203.4	154.4	115.4	96.5	59.8	45.2	36.8	31.4	26.3	23.3	21.0	19.3	17.9	9.75
1.70V/cell	216.8	163.9	121.7	101.6	63.1	46.9	37.9	32.3	27.1	24.0	21.6	19.7	18.3	9.86
1.67V/cell	223.1	168.5	125.1	104.8	64.4	48.2	38.7	32.8	27.5	24.3	21.9	20.0	18.5	9.95
1.60V/cell	239.1	178.7	133.4	110.7	66.7	49.9	40.1	33.8	28.1	24.7	22.2	20.3	18.9	10.1

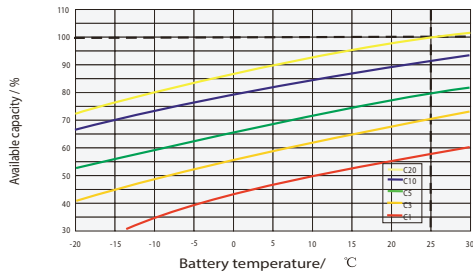
DISCHARGE CHARACTERISTICS
CARACTÉRISTIQUES DE DÉCHARGE



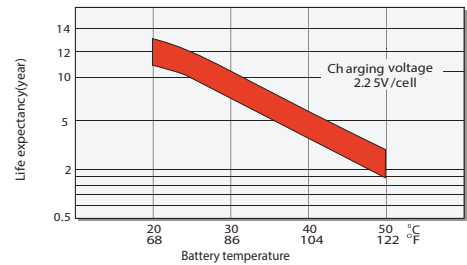
FLOAT CHARGING CHARACTERISTICS
CARACTÉRISTIQUES DE CHARGE EN FLOATING



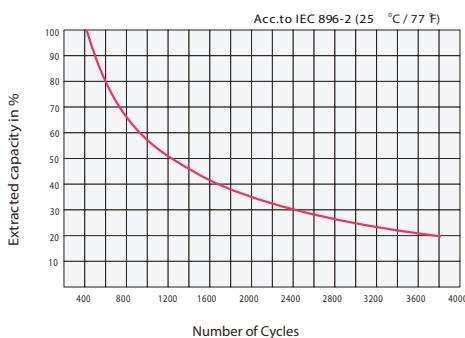
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY
EFFET DE LA TEMPÉRATURE SUR LA BATTERIE



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



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



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

