



# GEL BATTERY

## G 12V-100Ah

GEL

### MAIN INFORMATION / INFORMATIONS GÉNÉRALES

<b>BRAND / MARQUE</b>	NX
<b>TECHNOLOGY / TECHNOLOGIE</b>	Gel lead acid
<b>NOMINAL VOLTAGE / TENSION NOMINALE</b>	12V
<b>NOMINAL CAPACITY / CAPACITÉ NOMINALE</b>	100Ah (20hr)
<b>DIMENSIONS / DIMENSIONS</b>	
• <b>Length / Longueur</b>	330 ± 1mm (12.99 inches)
• <b>Width / Largeur</b>	173 ± 1mm (6.81 inches)
• <b>Height / Hauteur</b>	212 ± 1mm (8.35 inches)
• <b>Total height with terminals / Hauteur totale (avec cosSES)</b>	220 ± 1mm (8.66 inches)
<b>WEIGHT (± 4 %) / POIDS (± 4 %)</b>	Approx 31 kg (68.4lbs)
<b>TERMINAL / TYPE DE COSSES</b>	T11
<b>CASING / TYPE DE BAC</b>	UL94 HB (Standard ABS)
<b>COLOR / COULEUR DE BAC</b>	Black top and grey case

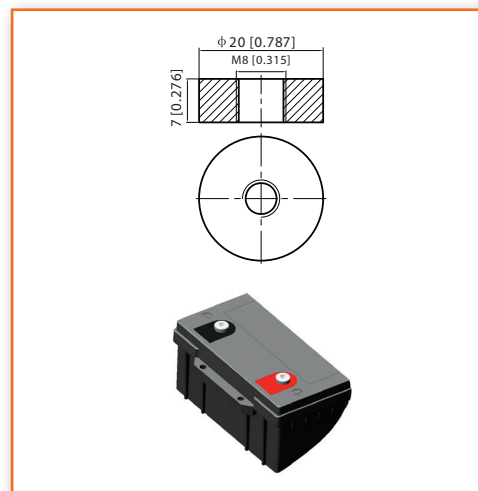


### TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

<b>CAPACITY / CAPACITÉ</b>	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)
<b>DISCHARGE CURRENT / COURANT DE DÉCHARGE</b>	1000A (5s)
<b>INTERNAL RESISTANCE / RÉSISTANCE INTERNE</b>	Approx 5.5mΩ
<b>OPERATING TEMPERATURE RANGE / PLAGES DE TEMPÉRATURE</b>	
• <b>Discharging / Décharge</b>	-20°~55°C (-4 ~131°F)
• <b>Charging / Charge</b>	0°~40°C (32 ~104°F)
• <b>Storage / Stockage</b>	-20°~50°C (-4 ~122°F)
<b>NOMINAL OPERATING TEMPERATURE / TEMPÉRATURE D'UTILISATION</b>	25 ± 3°C (77 ± 5°F)
<b>CAPACITY VS TEMPERATURE / CAPACITÉ SELON LA TEMPÉRATURE</b>	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



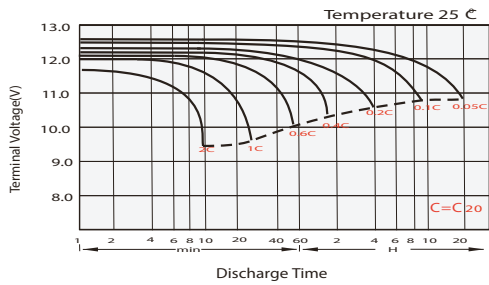
**CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C**  
**TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C**

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

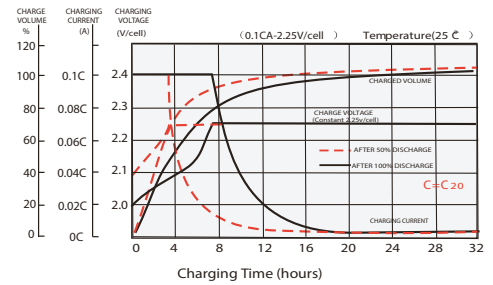
**CONSTANT POWER DISCHARGE (WATTS) AT 25°C**  
**DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C**

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

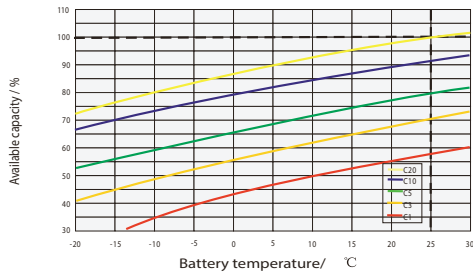
**DISCHARGE CHARACTERISTICS**  
**CARACTÉRISTIQUES DE DÉCHARGE**



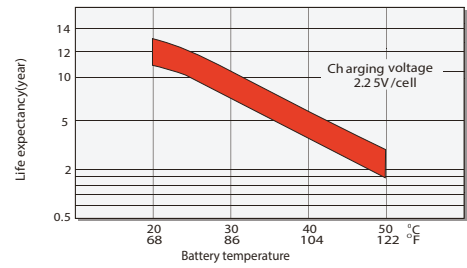
**FLOAT CHARGING CHARACTERISTICS**  
**CARACTÉRISTIQUES DE CHARGE EN FLOATING**



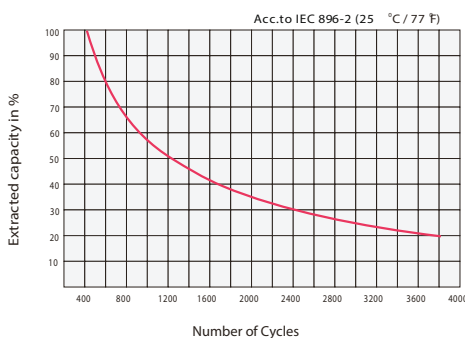
**TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY**  
**EFFET DE LA TEMPÉRATURE SUR LA BATTERIE**



**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**

