



GEL LEAD ACID BATTERY

C 12V-24Ah



MAIN INFORMATION / INFORMATIONS GÉNÉRALES

BRAND / MARQUE	NX
TECHNOLOGY / TECHNOLOGIE	GEL Lead Acid
NOMINAL VOLTAGE / TENSION NOMINALE	12V
NOMINAL CAPACITY / CAPACITÉ NOMINALE	24Ah (20hr)
DIMENSIONS (± 2 mm) / DIMENSIONS (± 2 mm)	
• Length / Longueur	166mm ± 1mm (6.54 inches)
• Width / Largeur	175mm ± 1mm (6.93 inches)
• Height / Hauteur	125mm ± 1mm (4.92 inches)
• Total height with terminals / Hauteur totale (avec cosSES)	125mm ± 1mm (4.92 inches)
WEIGHT (± 2 %) / POIDS (± 2 %)	Approx.8.7 kg (19.18 lbs)
TERMINAL / TYPE DE COSSES	T12
CASING / TYPE DE BAC	UL94 HB (Standard ABS)
COLOR / COULEUR DE BAC	Grey top and grey case

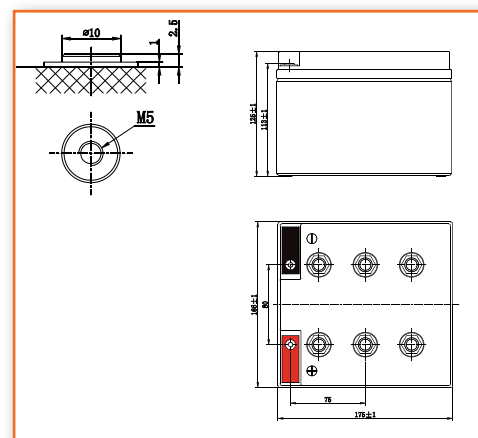


TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

CAPACITY / CAPACITÉ	24.0 Ah / 1.20A (20hr,1.80V/cell,25°C/77°F) 22.1 Ah / 2.21A (10hr,1.80V/cell,25°C/77°F) 19.75 Ah / 3.95A (5hr,1.75V/cell,25°C/77°F) 17.28 Ah / 5.76A (3hr,1.75V/cell,25°C/77°F) 14.5 Ah / 14.5A (1hr,1.60V/cell,25°C/77°F)
MAX DISCHARGE CURRENT / COURANT DE DÉCHARGE	240A (5S)
INTERNAL RESISTANCE / RÉSISTANCE INTERNE	Approx 15.8mΩ
OPERATING TEMPERATURE RANGE / PLAGES DE TEMPÉRATURE	-15°~50°C (5 ~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) 102% 25°C (77°F) 100% 0°C (32°F) 85%

T12 / Terminal

Unité : mm / Unit: inches



APPLICATIONS

Electric tools / Outils électriques

Vehicles / Véhicules

Lawn mowers / Tondeuses à gazon

Wheelchairs / Fauteuils roulants

Railway and marine systems / Infrastructures marines et ferroviaires

Electric toys / Jouets électriques

Golf trolleys and golf carts / Charriots et voiturettes de golf

Medical equipment / Medical



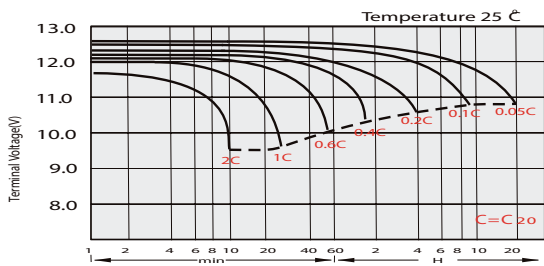
CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C
TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C

F.V/Temps	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	28.1	23.6	21.2	17.0	13.1	10.9	6.81	5.16	4.25	3.64	3.15	2.51	2.13	1.17
1.80V/cell	33.3	27.6	24.2	19.0	14.4	11.9	7.33	5.52	4.52	3.83	3.30	2.61	2.21	1.20
1.75V/cell	38.3	31.0	27.0	20.6	15.5	12.7	7.70	5.76	4.68	3.95	3.40	2.69	2.26	1.22
1.70V/cell	43.3	34.3	29.2	22.0	16.4	13.3	8.06	5.95	4.81	4.06	3.50	2.75	2.30	1.24
1.65V/cell	46.5	36.3	30.8	23.0	17.0	13.8	8.30	6.13	4.93	4.14	3.56	2.79	2.33	1.25
1.60V/cell	50.7	39.1	32.9	24.4	18.0	14.5	8.57	6.32	5.08	4.25	3.64	2.85	2.37	1.26

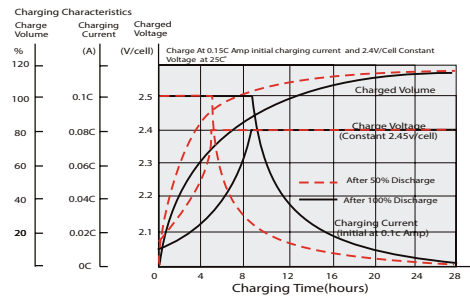
CONSTANT POWER DISCHARGE (WATTS) AT 25°C
DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C

F.V/Temps	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	52.8	44.5	40.2	32.5	25.3	21.2	13.3	10.1	8.34	7.16	6.21	4.97	4.23	2.33
1.80V/cell	61.4	51.3	45.5	36.0	27.6	23.0	14.2	10.7	8.82	7.49	6.48	5.17	4.38	2.38
1.75V/cell	69.8	57.0	50.2	38.7	29.5	24.3	14.9	11.2	9.10	7.72	6.66	5.31	4.48	2.42
1.70V/cell	77.8	62.4	53.8	41.1	30.9	25.4	15.5	11.5	9.33	7.91	6.84	5.42	4.56	2.45
1.65V/cell	82.2	65.1	56.2	42.6	32.0	26.2	15.9	11.8	9.53	8.05	6.94	5.49	4.61	2.48
1.60V/cell	88.1	68.9	59.3	44.7	33.5	27.4	16.3	12.1	9.80	8.24	7.08	5.58	4.68	2.50

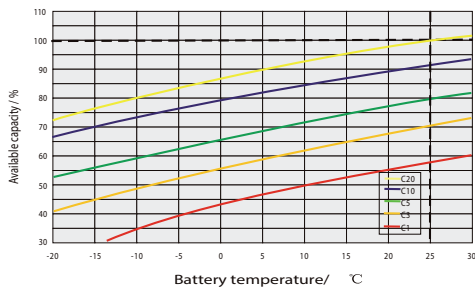
DISCHARGE CHARACTERISTICS
CARACTÉRISTIQUES DE DÉCHARGE



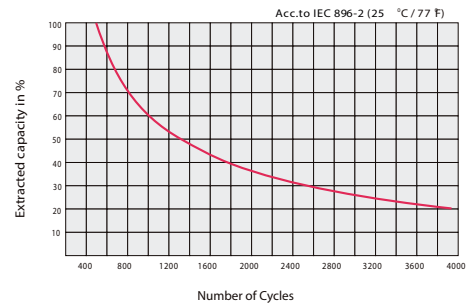
FLOAT CHARGING CHARACTERISTICS
CARACTÉRISTIQUES DE CHARGE EN FLOATING



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

