



AGM LEAD ACID BATTERY

13-12 Cyclic F6.35



MAIN INFORMATION / INFORMATIONS GÉNÉRALES

BRAND / MARQUE	NX
TECHNOLOGY / TECHNOLOGIE	AGM Lead acid
NOMINAL VOLTAGE / TENSION NOMINALE	12V
NOMINAL CAPACITY / CAPACITÉ NOMINALE	13Ah (10hr)
DIMENSIONS / DIMENSIONS	
• Length / Longueur	151.5 ± 2mm (5.96 inches)
• Width / Largeur	99.5 ± 1mm (3.92 inches)
• Height / Hauteur	97 ± 1mm (3.82 inches)
• Total height with terminals / Hauteur totale (avec cosse)	100 ± 1mm (3.94 inches)
WEIGHT (± 4 %) / POIDS (± 4 %)	Approx 4.05kg (8.93lbs)
TERMINAL / TYPE DE COSSES	F6.35 = FASTON 6.35
CASING / TYPE DE BAC	UL94 HB (Standard ABS)
COLOR / COULEUR DE BAC	Black top and black case

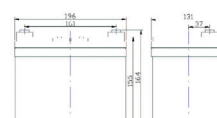
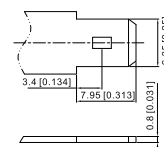


TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

CAPACITY / CAPACITÉ	13.9Ah/0.70A (20hr, 1.80V/cell, 25°C/77°F) 13.0Ah/1.30A (10hr, 1.80V/cell, 25°C/77°F) 11.4Ah/2.28A (5hr, 1.75V/cell, 25°C/77°F) 10.3Ah/3.45A (3hr, 1.75V/cell, 25°C/77°F) 8.40Ah/8.40A (1hr, 1.60V/cell, 25°C/77°F)
DISCHARGE CURRENT / COURANT DE DÉCHARGE	195A (5s)
INTERNAL RESISTANCE / RÉSISTANCE INTERNE	Approx 14mΩ
OPERATING TEMPERATURE RANGE / PLAGE 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%

Terminal

Unité : mm / Unit: inches



APPLICATIONS

Electric tools / appareils électriques

Wheelchairs / Fauteuils roulants

Electric toys / Jouets électriques

Golf trolleys and golf cart / Charriots et voitures de golf

Fire alarms / Alarmes

Medical equipments / Equipements médicaux

Portable apparatus / Appareils portatifs

TMD 1 Description, classe : UN 2800 – accumulateurs inversables remplis d'électrolyte liquide, 8, none, (E)

ADR : Not regulated

IMDG Not regulated

IATA : Exempt

Procédure TMD PROC 2 : UN 2800



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	19.0	16.0	14.0	10.1	8.00	6.49	4.03	3.14	2.55	2.07	1.81	1.47	1.23	0.690
1.80V/cell	24.3	19.4	16.5	11.9	9.30	7.27	4.40	3.38	2.72	2.22	1.94	1.56	1.30	0.697
1.75V/cell	26.7	21.1	17.8	12.3	9.65	7.61	4.56	3.45	2.78	2.28	1.99	1.59	1.31	0.703
1.70V/cell	29.1	22.6	18.7	12.8	10.0	7.85	4.75	3.54	2.85	2.34	2.03	1.61	1.33	0.716
1.65V/cell	31.4	24.0	19.9	13.5	10.3	8.11	4.88	3.69	2.95	2.40	2.07	1.64	1.35	0.725
1.60V/cell	34.1	25.7	21.2	14.3	10.7	8.40	5.04	3.81	3.04	2.48	2.12	1.65	1.37	0.729

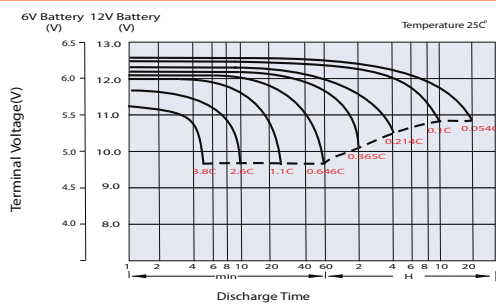
CONSTANT POWER DISCHARGE (WATTS) AT 25°C

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	35.5	30.2	26.7	19.4	15.5	12.6	7.86	6.14	4.99	4.06	3.57	2.91	2.43	1.381
1.80V/cell	44.8	35.9	31.0	22.6	17.8	14.0	8.52	6.58	5.30	4.35	3.81	3.09	2.57	1.392
1.75V/cell	48.6	38.9	33.1	23.3	18.4	14.6	8.81	6.68	5.41	4.46	3.91	3.14	2.60	1.404
1.70V/cell	52.2	41.2	34.6	24.2	19.1	15.5	9.14	6.85	5.54	4.56	3.98	3.18	2.62	1.429
1.65V/cell	56.0	43.5	36.6	25.4	19.5	15.5	9.37	7.12	5.72	4.68	4.07	3.23	2.67	1.445
1.60V/cell	59.7	46.0	38.6	26.5	20.2	15.9	9.63	7.30	5.87	4.81	4.15	3.25	2.70	1.451

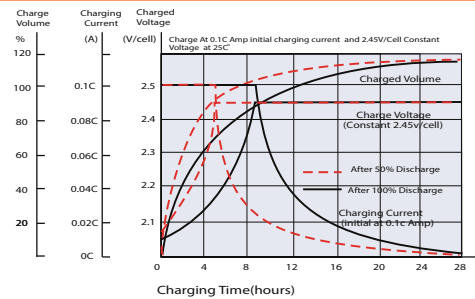
DISCHARGE CHARACTERISTICS

CARACTÉRISTIQUES DE DÉCHARGE



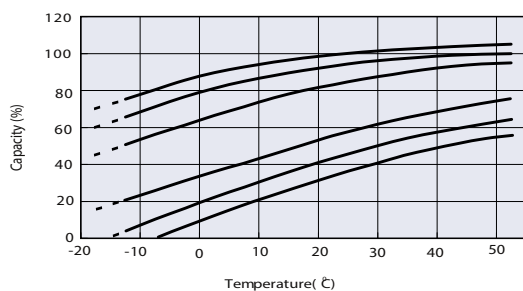
CYCLIC CHARGING CHARACTERISTICS

CARACTÉRISTIQUES DE CYCLAGE



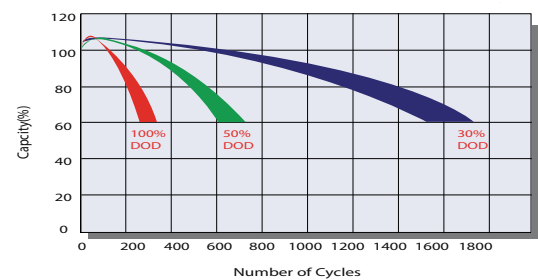
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY

EFFET DE LA TEMPÉRATURE SUR LA BATTERIE



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

