Part No: **AMP9017**

AGM LEAD ACID BATTERY
100-12 General Purpose M8-F

AGM GENERAL PURPOSE

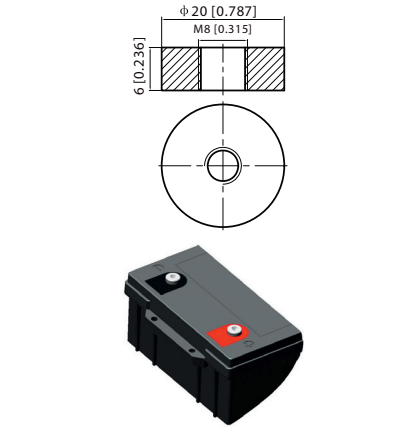
MAIN INFORMATION / **INFORMATIONS GÉNÉRALES**

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	330 ± 3mm (12.99 inches)
• **Width /** Largeur	173 ± 2mm (6.81 inches)
• **Height /** Hauteur	212 ± 3mm (8.35 inches)
• **Total height with terminals /** Hauteur totale (avec cosses)	220 ± 3mm (8.66 inches)
WEIGHT (± 2 %) **/** POIDS (± 2 %)	Approx 30.4 kg (70.6lbs)
TERMINAL / TYPE DE COSSES	M8-F = M8 FEMALE
CASING / TYPE DE BAC	UL94 HB (Standard ABS)
COLOR / COULEUR DE BAC	Black top and black case

TECHNICAL INFORMATION / **INFORMATIONS TECHNIQUES**

CAPACITY / CAPACITÉ	104.0Ah / 5.20A (20hr,1.80V/cell,25°C/77°F)
	100.0Ah / 10.0A (10hr,1.80V/cell,25°C/77°F)
	88.0Ah / 17.6A (5hr,1.75V/cell,25°C/77°F)
	76.2Ah / 25.4A (3hr,1.75V/cell,25°C/77°F)
	63.8Ah / 63.8A (1hr,1.60V/cell,25°C/77°F)
DISCHARGE CURRENT / COURANT DE DÉCHARGE	1200A (5s)
INTERNAL RESISTANCE / RÉSISTANCE INTERNE	Approx 4.9mΩ
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

All purpose / Tout usage**UPS /** Onduleur
Emergency light / Éclairage de secours
Railway signal / Signalisation ferroviaire
Alarm and security system / Alarme et securité
Aircraft signal / Signal d'avion
Electronic devices and equipment / Appareils et équipements électroniques
Emergency backup / Alimentation de secours
Power supply / Réserve d'énergie

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

Part No: **AMP9017**

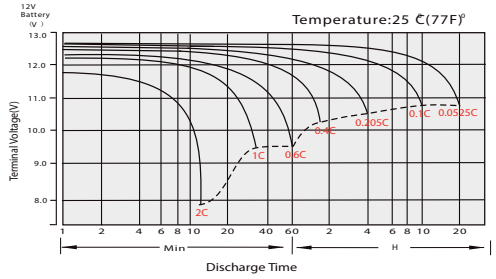
CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C
TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	173.6	146.4	130.2	115.3	87.5	65.2	52.4	31.3	23.5	19.2	16.4	14.4	11.6	9.65	5.13
1.80V/cell	210.0	167.6	143.7	123.5	92.1	68.7	55.1	33.1	24.6	20.2	17.2	15.0	12.0	10.0	5.20
1.75V/cell	237.0	186.3	154.0	130.8	96.5	71.3	57.1	34.4	25.4	20.7	17.6	15.3	12.2	10.1	5.29
1.70V/cell	261.6	199.5	165.1	138.9	101.8	74.6	59.5	35.3	26.0	21.2	17.9	15.6	12.4	10.2	5.34
1.65V/cell	291.7	215.1	178.5	146.6	106.7	77.4	61.9	36.3	26.7	21.7	18.3	15.9	12.6	10.3	5.40
1.60V/cell	330.8	232.5	188.5	154.3	112.3	80.5	63.8	37.5	27.6	22.2 1	8.6	16.2	12.7	10.5	5.45

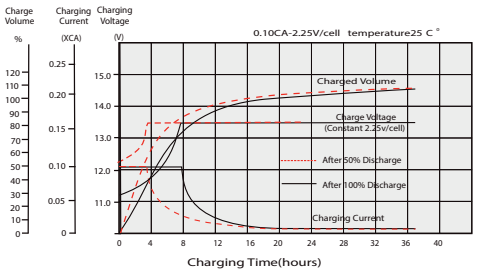
CONSTANT POWER DISCHARGE (WATTS) AT 25°C
DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	322.5	274.9	247.1	220.5	168.5	126.4	102.2	60.8	45.7	37.5	32.2 2	8.2	22.9	19.1	10.2
1.80V/cell	386.4	312.2	271.0	235.1	176.8	132.7	107.2	63.8	47.7	39.2	33.6	29.4	23.7	19.8	10.3
1.75V/cell	431.3	344.9	288.7	247.8	184.3	137.3	110.8	66.0	49.1	40.1	34.3	29.9	24.0	19.9	10.4
1.70V/cell	470.9	366.5	307.7	261.8	193.6	143.0	115.0	67.6	50.1	41.0	34.8	30.4	24.3	20.1	10.5
1.65V/cell	519.3	391.4	330.2	274.5	201.9	147.7	119.1	69.2	51.3	41.8	35.3	30.8	24.6	20.3	10.6
1.60V/cell	578.9	418.2	345.1	286.6	211.1	152.9	122.4	71.1	52.7	42.6	35.9	31.3	24.8	20.5	10.7

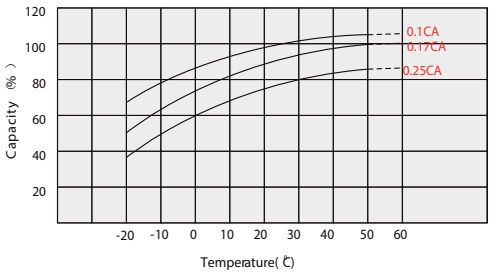
DISCHARGE CHARACTERISTICS
CARACTÉRISTIQUES DE DÉCHARGE



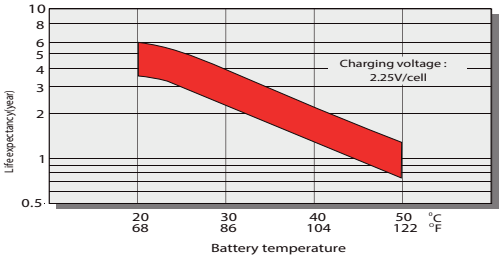
FLOAT CHARGING CHARACTERISTICS
CARACTÉRISTIQUES DE CHARGE EN FLOATING



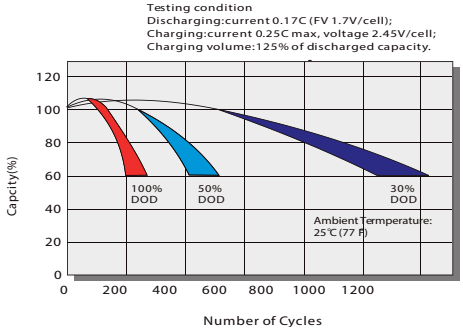
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY
EFFET DE LA TEMPÉRATURE SUR LA BATTERIE



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