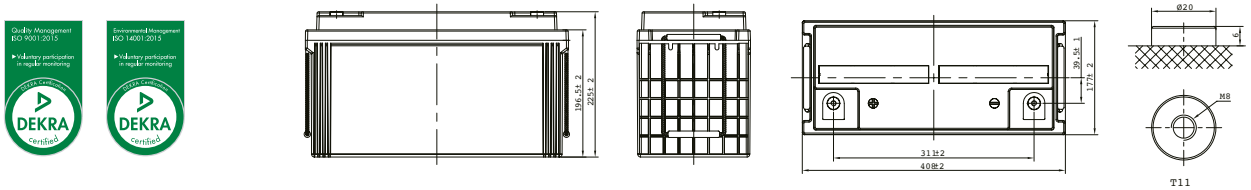
Ref: AMP90137

AGM LEAD ACID BATTERY NX
BATTERIE PLOMB AGM NX
120-12 UPS HIGH RATE M8-F

MAIN INFORMATION / INFORMATIONS GÉNÉRALES

BRAND	MARQUE	NX
TECHNOLOGY	TECHNOLOGIE	AGM Lead acid
VOLTAGE	TENSION	12V
NOMINAL CAPACITY (25°C)	CAPACITÉ NOMINALE (25°C)	
• **Ah (C20; 1,8V/cell)**		120 Ah
• **W (W15; 1.67V/cell)**		460 W/CELL
CASING	TYPE DE BAC	ABS (UL94 HB)
TERMINAL	TYPE DE COSSES	M8-F
DESIGN LIFE	DURÉE DE VIE ESTIMÉE (25°C)	12 ans
WEIGHT (±4%)	POIDS (±4%)	37,5 Kg
DIMENSIONS	DIMENSIONS	
• **Length** / Longueur		408 mm (16,1 inches)
• **Width** / Largeur		177 mm (6,97 inches)
• **Height** / Hauteur		225 mm (8,86 inches)
• **Total height with terminals** / Hauteur totale (avec cosses)		225 mm (8,86 inches)
OPERATING TEMP. RANGE	PLAGE DE TEMPÉRATURE	
• **Discharge** / Décharge		-20~55°C
• **Charge** / Charge		-20~40°C
• **Storage** / Stockage		-15~50°C
• **Nominal Operating Temperature** / Température d'utilisation		25±3 C (77±5°F)
INTERNAL RESISTANCE	RÉSISTANCE INTERNE (25°C)	Approx. 3,8 mΩ
SHORT-CIRCUIT CURRENT	COURANT DE COURT CIRCUIT	2400 A
MAX CHARGING CURRENT	COURANT DE CHARGE MAX	0,25 C
CHARGE VOLTAGE (25°C)	TENSION DE CHARGE (25°C)	
• **Standby use** / Utilisation en standby		Voltage 2,25V~2,3V at 25°C (77°F) Temp. I Coefficient -3mV/°C
• **Equalization use** / Charge d'équilibrage		Voltage 2,3V~2,4V at 25°C (77°F) Temp. I Coefficient -4mV/°C
EFFECT OF TEMP. TO CAPACITY	IMPACT DE LA TEMP. SUR LA CAPACITÉ	
• **40°C** / (104°F)		103%
• **25°C** / (77° F)		100%
• **0°C** / (32° F)		86%



MAIN FEATURES / CARACTÉRISTIQUES PRINCIPALES

- **12 years design life (25°C).**
- **Excellent high current performance optimised for short discharge time**
- **Advanced AGM technology for superior high-rate power**
- **Long Life Alloy - minimizing grid growth, reducing gassing, and extending battery life**
- **Epoxy-sealed posts eliminate leaks**
- **Optimal energy density - saves floor space**

- Durée de vie de 12 ans (25°C).
- Excellente performance à courant élevé optimisée pour un temps de décharge court
- Technologie AGM avancée pour une puissance élevée supérieure
- Alliage Longue Durée - minimisant la croissance de la grille, réduisant le dégazage et prolongeant la durée de vie de la batterie
- Poteaux scellés à l'époxy éliminant les fuites
- Densité d'énergie optimale - économisant de l'espace au sol

CAUTION / AVERTISSEMENT

Do not tip the battery over.
End-of-life NX batteries must be recycled in accordance with current legislation.
Do not install or charge batteries in a sealed or non-ventilated compartment.

Ne pas renverser la batterie.
Les batteries NX en fin de vie doivent être recyclées selon la législation en vigueur.
Ne pas installer ou charger les batteries dans un endroit clos et non aéré.

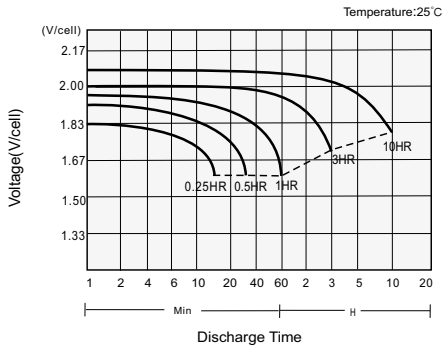
APPLICATIONS*

*** Non exhaustive list /** Liste non-exhaustive

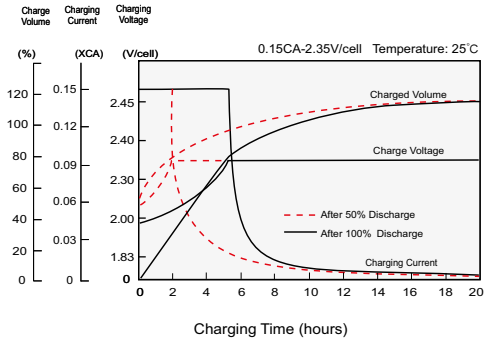
- **UPS**
- **Hospitals and Testing Laboratories**
- **Emergency Power Supply**
- **Industrial Process Control Facilities**
- **Data and Network Operation Centers**
- UPS / Onduleur
- Médical
- Alimentation de secours
- Applications industrielles
- Telecom et réseau

Constant Current Discharge (Amperes) at 25°C (77°F)														
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	8h	10h
1.85V/cell	275.2	219.7	190.5	149.8	103.8	81.5	66.0	48.5	39.7	29.5	23.4	19.8	13.7	11.7
1.80V/cell	312.9	249.4	215.8	169.3	117.0	86.5	68.3	50.0	42.0	30.5	24.2	20.5	13.9	12.0
1.75V/cell	339.9	270.4	233.7	182.8	125.9	91.7	71.1	52.0	43.6	31.2	25.0	21.1	14.1	12.1
1.70V/cell	363.4	288.3	248.2	193.9	133.5	96.3	74.2	54.2	44.6	31.9	25.6	21.6	14.3	12.1
1.67V/cell	376.1	297.5	255.4	199.1	136.6	98.9	75.0	55.6	45.7	32.5	26.0	21.9	14.5	12.3
1.60V/cell	389.4	307.6	263.3	204.3	140.0	101.4	76.4	57.5	46.6	33.4	26.6	22.3	14.5	12.4
Constant Power Discharge (Watts/cell) at 25°C (77°F)														
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	8h	10h
1.85V/cell	513.9	413.3	360.6	284.9	198.4	156.7	127.7	94.0	77.2	57.7	45.8	38.9	27.1	23.2
1.80V/cell	574.9	462.3	403.4	318.7	221.9	165.3	131.3	96.3	81.3	59.3	47.3	40.3	27.6	23.8
1.75V/cell	613.5	493.4	430.6	340.1	236.8	174.2	136.1	99.9	84.1	60.5	48.8	41.3	27.8	23.9
1.70V/cell	645.0	518.7	452.6	357.6	249.0	181.6	141.3	103.5	85.7	61.6	49.7	42.1	28.2	24.0
1.67V/cell	655.5	527.2	460.0	363.4	253.0	185.5	142.1	105.7	87.4	62.6	50.2	42.5	28.4	24.4
1.60V/cell	664.7	534.5	466.4	368.5	256.5	188.3	143.6	108.5	88.6	63.9	51.1	43.2	28.5	2.00

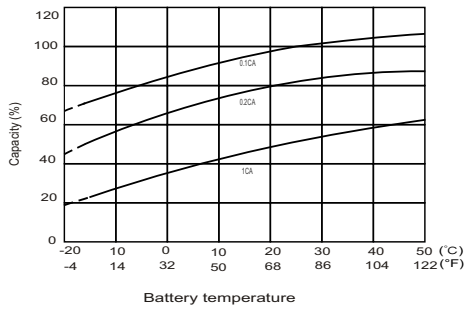
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics