



# AGM LEAD ACID BATTERY

## 65-12 General Purpose M6-F

**AGM**  
GENERAL  
PURPOSE

### MAIN INFORMATION / INFORMATIONS GÉNÉRALES

<b>BRAND</b>	MARQUE	NX
<b>TECHNOLOGY</b>	TECHNOLOGIE	AGM Lead acid
<b>NOMINAL VOLTAGE</b>	TENSION NOMINALE	12V
<b>NOMINAL CAPACITY</b>	CAPACITÉ NOMINALE	65Ah (20hr)
<b>DIMENSIONS (± 2 mm)</b>	DIMENSIONS (± 2 mm)	
• <b>Length / Longueur</b>		348 ± 3mm (13.7 inches)
• <b>Width / Largeur</b>		167 ± 2mm (6.57 inches)
• <b>Height / Hauteur</b>		178 ± 2mm (7.01 inches)
• <b>Total height with terminals / Hauteur totale (avec cosses)</b>		178 ± 2mm (7.01 inches)
<b>WEIGHT (± 2 %)</b>	POIDS (± 2 %)	Approx. 19.2 kg (42.3 lbs)
<b>TERMINAL</b>	TYPE DE COSSES	M6-F = M6 FEMALE
<b>CASING</b>	TYPE DE BAC	UL94 HB (Standard ABS)
<b>COLOR</b>	COULEUR DE BAC	Black top and black case
<b>DESIGN LIFE</b>	DURÉE DE VIE	5 years/ ans (20°C)

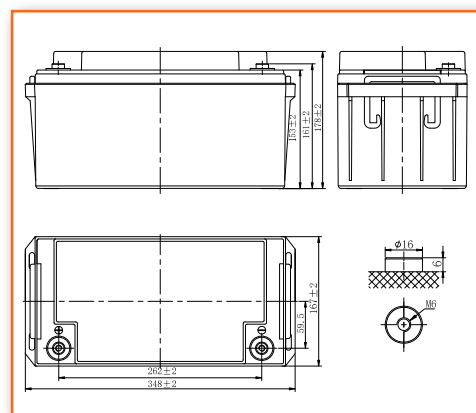


### TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

<b>CAPACITY</b>	CAPACITÉ	65.0Ah / 3.25A (20hr, 1.80V/cell, 25°C/77°F) 62.1Ah / 6.21A (10hr, 1.80V/cell, 25°C/77°F) 53.6Ah / 10.72A (5hr, 1.75V/cell, 25°C/77°F) 45.8Ah / 15.3A (3hr, 1.75V/cell, 25°C/77°F) 37.5Ah / 37.5A (1hr, 1.60V/cell, 25°C/77°F)
<b>DISCHARGE CURRENT</b>	COURANT DE DÉCHARGE	780A (5s)
<b>INTERNAL RESISTANCE</b>	RÉSISTANCE INTERNE	Approx 7.3mΩ
<b>OPERATING TEMPERATURE RANGE</b>	PLAGE DE TEMPÉRATURE	
• <b>Discharging / Décharge</b>		-15°~50°C (5 ~122°F)
• <b>Charging / Charge</b>		0°~40°C (32 ~104°F)
• <b>Storage / Stockage</b>		-15°~40°C (5 ~104°F)
<b>NOMINAL OPERATING TEMPERATURE</b>	TEMPÉRATURE D'UTILISATION	25 ± 3°C (77 ± 5°F)
<b>CAPACITY VS TEMPERATURE</b>	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 / Onduleurs**

**Emergency light / Eclairage de secours**

**Railway signal / Signalisation ferroviaire**

**Alarm and security system / Alarme et sécurité**

**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**



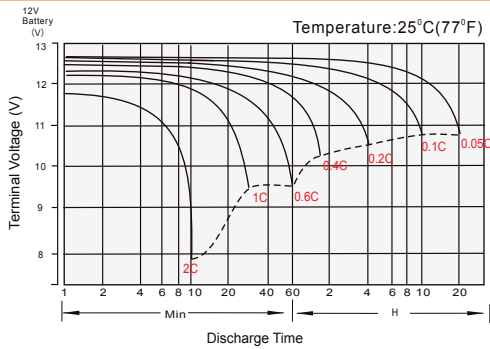
**CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C**  
**TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C**

F.V./Temps	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	135.3	101.0	84.1	70.7	54.3	40.5	34.2	25.7	20.6	15.5	12.4	10.3	8.96	7.29	6.09	3.27
1.80V/cell	157.7	119.1	97.8	81.4	61.4	45.3	37.9	28.1	22.4	16.8	13.3	11.1	9.61	7.80	6.50	3.45
1.75V/cell	172.1	127.7	103.5	85.5	64.2	47.2	39.3	29.0	23.1	17.2	13.7	11.4	9.82	7.94	6.60	3.49
1.70V/cell	186.4	136.2	109.4	89.9	67.0	49.0	40.7	30.0	23.8	17.7	14.0	11.6	10.00	8.08	6.70	3.53
1.67V/cell	194.6	141.2	112.8	92.5	68.7	50.1	41.6	30.6	24.2	18.0	14.2	11.8	10.20	8.17	6.76	3.56
1.60V/cell	214.5	152.8	120.9	98.5	72.6	52.7	43.6	31.9	25.2	18.7	14.7	12.1	10.40	8.36	6.91	3.62

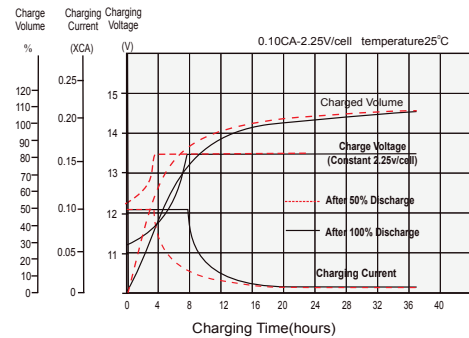
**CONSTANT POWER DISCHARGE (WATTS) AT 25°C**  
**DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C**

F.V./Temps	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	257.0	193.3	161.6	136.2	105.0	78.6	66.6	50.1	40.2	30.4	24.3	20.3	17.7	14.4	12.1	6.49
1.80V/cell	295.1	225.2	186.0	155.4	117.7	87.3	73.2	54.5	43.5	32.8	26.1	21.8	18.9	15.4	12.8	6.84
1.75V/cell	317.1	238.6	194.7	161.5	122.0	90.1	75.3	56.0	44.6	33.5	26.6	22.3	19.3	15.6	13.0	6.93
1.70V/cell	337.8	251.1	203.4	168.3	126.2	92.8	77.6	57.5	45.8	34.3	27.2	22.7	19.6	15.9	13.2	7.01
1.67V/cell	349.4	258.3	210.4	171.9	128.7	94.4	78.8	58.3	46.4	34.7	27.5	22.9	19.8	16.0	13.3	7.06
1.60V/cell	375.4	273.8	219.5	180.2	134.2	98.2	81.9	60.4	48.0	35.8	28.3	23.5	20.3	16.3	13.6	7.17

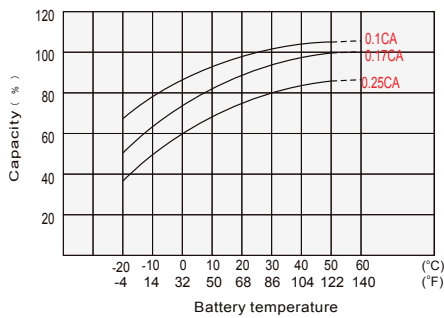
**DISCHARGE CHARACTERISTICS**  
**CARACTÉRISTIQUES DE DÉCHARGE**



**FLOAT CHARGING CHARACTERISTICS**  
**COURANT DE DÉCHARGE ET TEMPS DE DÉCHARGE**



**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**

