



# AGM LEAD ACID BATTERY

## HR12V-5.4Ah Bornes 6.35

AGM  
STANDARD

### 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	5.4Ah (20hr)
<b>DIMENSIONS (± 2 mm)</b>	DIMENSIONS (± 2 mm)	
• Length / Longueur		90 ± 2mm (3.54 inches)
• Width / Largeur		70 ± 2mm (2.76 inches)
• Height / Hauteur		101 ± 2mm (3.98 inches)
• Total height with terminals / Hauteur totale (avec cosSES)		107 ± 2mm (4.21 inches)
<b>WEIGHT (± 2 %)</b>	POIDS (± 2 %)	1.8kg
<b>TERMINAL</b>	TYPE DE COSSES	T2
<b>CASING</b>	TYPE DE BAC	UL94 HB (STANDARD ABS)
<b>COLOR</b>	COULEUR DE BAC	Black top and black case



### TECHNICAL INFORMATION / INFORMATIONS TECHNIQUES

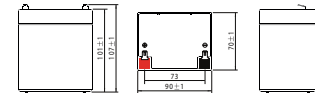
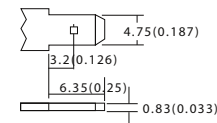
<b>CAPACITY</b>	CAPACITÉ	5.40 Ah (20hr, 0.270A, 1.75V/cell) 5.51 Ah (10hr, 0.551A, 1.75V/cell) 4.65 Ah (5hr, 0.929A, 1.75V/cell) 4.14 Ah (3hr, 1.38A, 1.75V/cell) 3.54 Ah (1hr, 3.54A, 1.67V/cell)
<b>DISCHARGE CURRENT</b>	COURANT DE DÉCHARGE	90A(5S)
<b>INTERNAL RESISTANCE</b>	RÉSISTANCE INTERNE	Approx 25mΩ
<b>OPERATING TEMPERATURE RANGE</b>	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)
<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%

### APPLICATIONS

**UPS (High rate)** / Onduleur (Décharges rapides)  
**Emergency backup** / Alimentation de secours  
**Power supply** / Réserve d'énergie  
**Starting system** / Démarrage  
**Emergency lighting** / Eclairage de secours  
**Power tools** / Outillage

#### T2 / Terminal

Unité : mm / Unit: inches



Adaptateur borne 6.35 fourni avec la batterie.



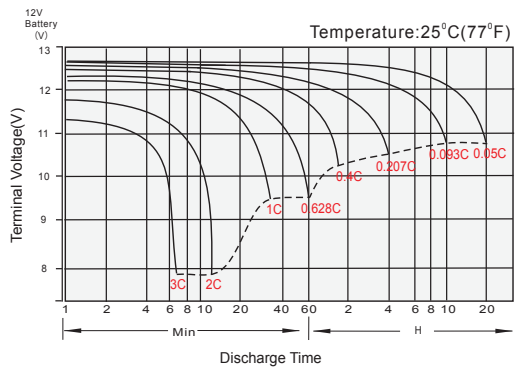
**CONSTANT CURRENT DISCHARGE (AMPERES) AT 25°C**  
**TABLE DE DÉCHARGE À COURANT ET PUISSANCE CONSTANTS (A) À 25°C**

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	20.2	14.0	10.8	8.64	6.21	4.43	3.27	2.35	1.85	1.33	1.06	0.905	0.775	0.610	0.499	0.264
1.80V/cell	21.7	14.8	11.3	8.98	6.40	4.55	3.35	2.40	1.88	1.36	1.08	0.918	0.787	0.619	0.506	0.267
1.75V/cell	22.9	15.4	11.7	9.23	6.57	4.65	3.42	2.45	1.92	1.38	1.09	0.929	0.796	0.626	0.511	0.270
1.70V/cell	24.0	16.0	12.1	9.50	6.73	4.75	3.48	2.49	1.95	1.40	1.11	0.942	0.805	0.632	0.516	0.272
1.67V/cell	24.8	16.5	12.4	9.70	6.85	4.83	3.54	2.52	1.97	1.41	1.12	0.950	0.812	0.637	0.520	0.274
1.60V/cell	26.3	17.2	12.8	9.98	7.04	4.95	3.62	2.57	2.01	1.44	1.14	0.966	0.824	0.646	0.526	0.277

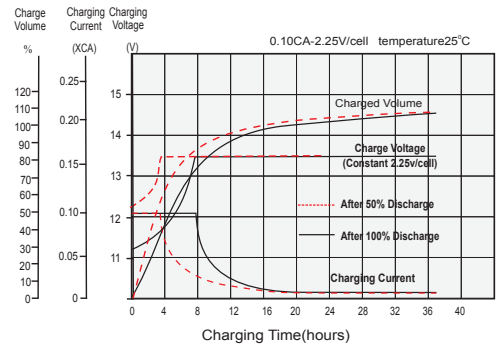
**CONSTANT POWER DISCHARGE (WATTS) AT 25°C**  
**DÉCHARGE À PUISSANCE CONSTANTE (WATTS) À 25°C**

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	38.2	26.6	20.6	16.6	12.0	8.59	6.36	4.59	3.62	2.62	2.09	1.79	1.53	1.21	0.992	0.528
1.80V/cell	40.7	28.0	21.5	17.2	12.3	8.79	6.50	4.68	3.68	2.66	2.12	1.81	1.55	1.23	1.00	0.534
1.75V/cell	42.4	28.9	22.1	17.6	12.6	8.95	6.60	4.75	3.73	2.70	2.15	1.83	1.57	1.24	1.01	0.540
1.70V/cell	44.0	29.8	22.7	18.0	12.8	9.12	6.71	4.82	3.78	2.73	2.17	1.85	1.59	1.25	1.02	0.544
1.67V/cell	45.2	30.5	23.2	18.3	13.0	9.24	6.80	4.87	3.81	2.75	2.19	1.87	1.60	1.26	1.03	0.549
1.60V/cell	47.0	31.4	23.8	18.8	13.3	9.41	6.92	4.95	3.88	2.80	2.22	1.89	1.62	1.28	1.04	0.555

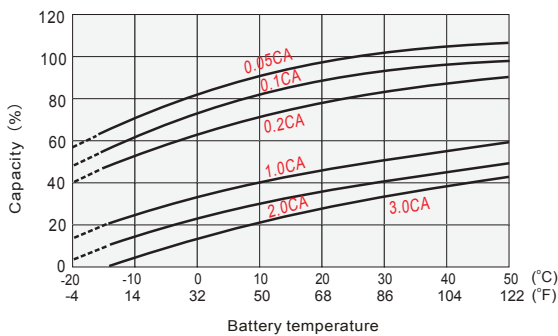
**DISCHARGE CHARACTERISTICS**  
**CARACTÉRISTIQUES DE DÉCHARGE**



**FLOAT CHARGING CHARACTERISTICS**  
**CARACTÉRISTIQUES DE CHARGE EN FLOATING**



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



**FLOAT SERVICE LIFE**  
**DURÉE DE VIE EN FLOATING**

