

Specification

Nominal Voltage	12 Volts		
Nominal Capacity	77°F (25°C)		
20-hr. (0.35 A)	7.00 Ah		
10-hr. (0.65 A)	6.51 Ah		
5-hr. (1.19 A)	5.95 Ah		
1-hr. (4.55 A)	4.55 Ah		
Approximate Weight	4.52 lbs (2.05 kgs)		
Internal Resistance (approx.)	30 mΩ		
Shelf Life (% of normal capacity at 77° F (25° C))			
3 Months	6 Months	12 Months	
91%	82%	64%	
Temperature Dependency of Capacity	(20 hour rate)		
104° F (40°C)	77° F (25°C)	32° F (0°C)	5° F (-15°C)
102%	100%	85%	65%
AGM Operational Temperature			
Charge	32°F to 104°F (0°C to 40°C)		
Discharge	5°F to 113°F (-15°C to 45°C)		
AGM Storage Temperature	5°F to 104°F (-15°C to 40°C)		

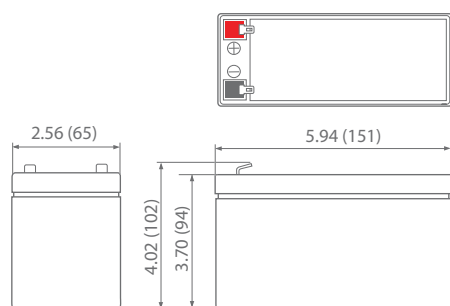


Charge Method (Constant Voltage)

Cycle Use (Repeating Use)

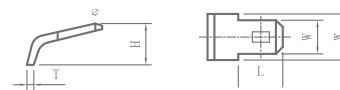
Initial Current	2.1 A or smaller
Control Voltage	14.6 - 14.8 V
Float Use	
Control Voltage	13.6 - 13.8 V

Physical Dimensions: in (mm)



L: 5.94 in (151 mm)
W: 2.56 in (65 mm)
H: 3.70 in (94 mm)
TH: 4.02 in (102 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals



Dimension Type	L	W	w	H	T
F2	7.80 mm 0.31 in	6.35 mm 0.25 in	7.80 mm 0.31 in	6.00 mm 0.24 in	0.80 mm 0.03 in

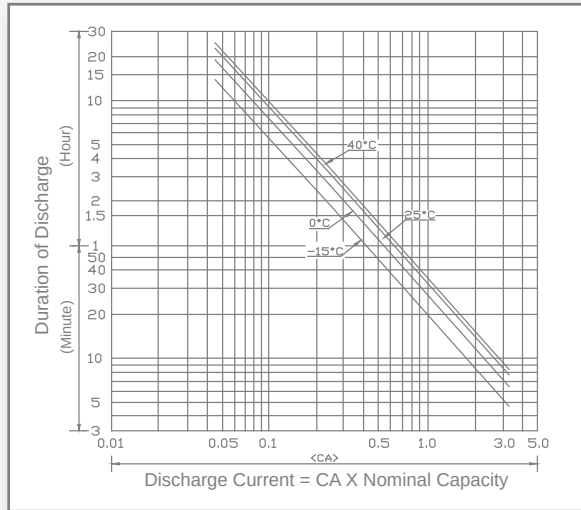
Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	27.6	12.8	7.83	4.20	2.55	2.18	1.29	0.79	0.70	0.39
1.67V	25.6	12.4	7.50	4.16	2.50	1.85	1.26	0.78	0.70	0.37
1.70V	23.7	12.0	6.80	4.00	2.45	1.75	1.23	0.78	0.67	0.36
1.75V	23.4	11.7	6.48	3.92	2.42	1.70	1.19	0.77	0.67	0.36
1.80V	20.7	10.6	6.00	3.65	2.36	1.67	1.18	0.76	0.66	0.35

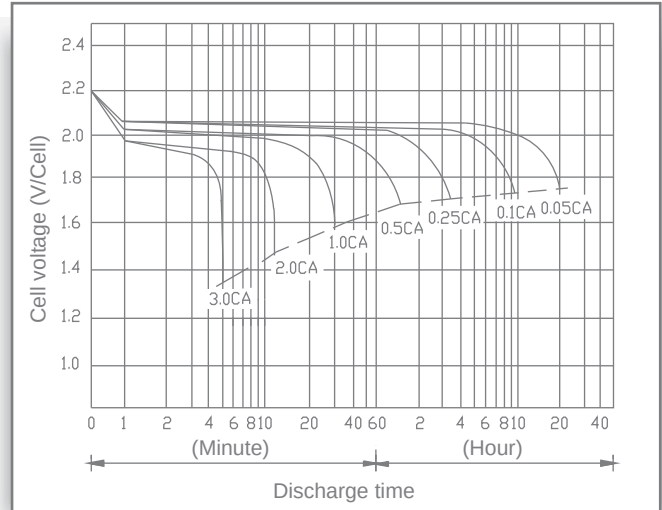
Constant Power Discharge Characteristics Unit:W (25°C, 77°F)

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	302	150	87	49.1	24.4	19.1	13.0	9.00	7.24	3.81
1.67V	291	147	86	48.7	25.2	19.0	13.0	8.94	7.24	3.81
1.70V	280	146	85	48.0	25.0	18.9	12.9	8.81	7.22	3.80
1.75V	264	141	83	47.2	24.4	18.7	12.9	8.71	7.18	3.79
1.80V	228	135	80	45.8	23.6	18.4	12.7	8.57	7.07	3.72

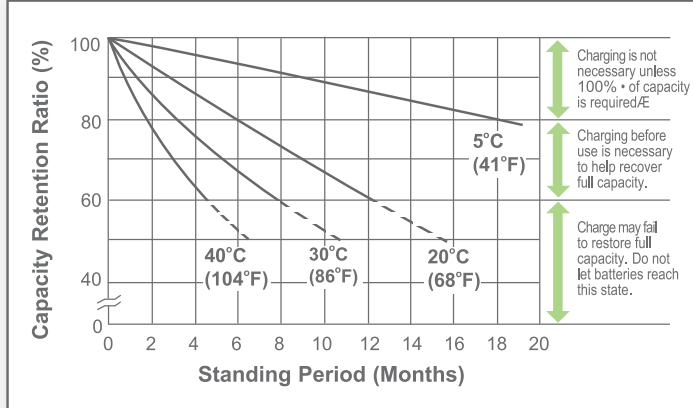
Discharge Time vs. Discharge Current



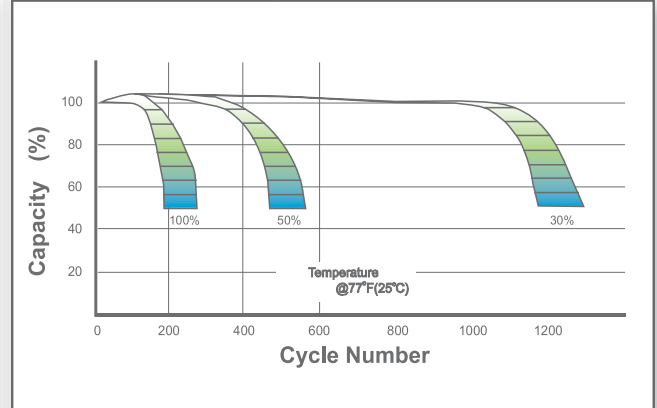
Discharge Characteristics



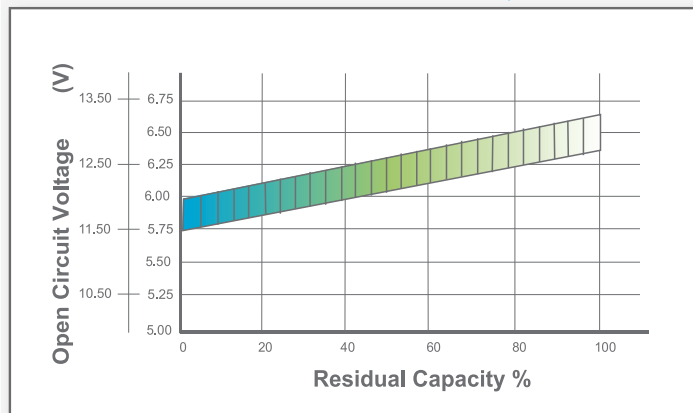
Shelf Life & Storage



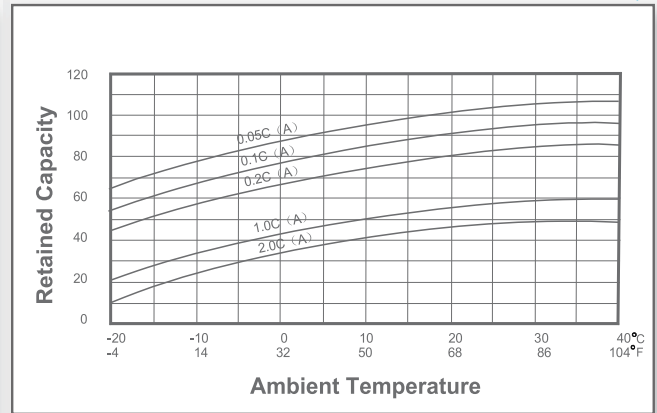
Cycle Life vs Depth of Discharge



Open Circuit Voltage vs Residual Capacity



Effect of Temperature on Capacity



Charge Current & Final Discharge Voltage

Application	Charge Voltage(V/Cell)			Max.Charge Current	Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
	Temperature	Set Point	Allowable Range						
Cycle Use	25°C(77°F)	2.45	2.43~2.47	0.30C	Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C
Standby	25°C(77°F)	2.28	2.27~2.30						



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