

Specification

Nominal Voltage	12 volts
Nominal Capacity	77° F (25° C)
20-hr. (0.450A)	9 Ah
10-hr. (0.830A)	8.3 Ah
5-hr. (1.538A)	7.69 Ah
1-hr. (5.40A)	5.4 Ah

Approximate Weight	5.17 lbs (2.35 kgs)
Internal Resistance (approx.)	19mΩ

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	77° F	32° F	5° F
102%	100%	85%	65%

AGM Operational Temperature	-20°C to 45°C
AGM Storage Temperature	-20°C to 45°C

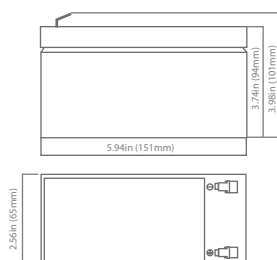


Charge Method (Constant Voltage)

Cycle Use (Repeating Use)	
Initial Current	2.7 A or smaller
Control Voltage	14.5 - 14.9 V

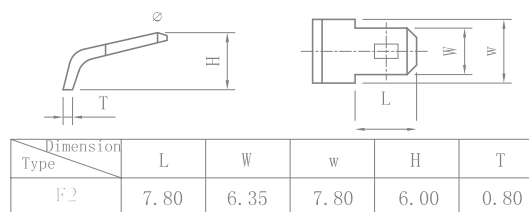
Float Use	
Control Voltage	13.6 - 13.8 V

Physical Dimensions: in (mm)



L: 5.94in (151 mm)
W: 2.56in (65 mm)
H: 3.78in (96 mm)
TH: 4.06in (103 mm)
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals



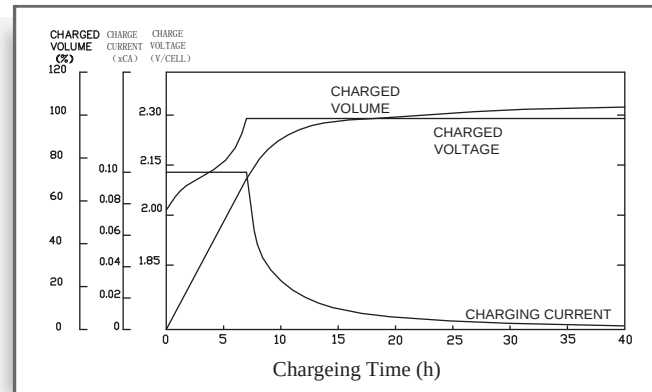
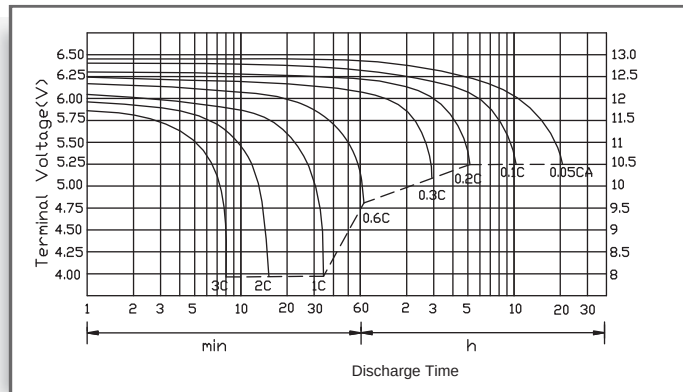
Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
9.60V	33.7	21.1	16.7	9.8	5.8	2.3	1.6	0.8	0.5
10.20V	31.6	19.8	16.0	9.4	5.6	2.3	1.5	0.8	0.5
10.50V	29.7	18.6	15.1	8.9	5.3	2.2	1.5	0.8	0.5

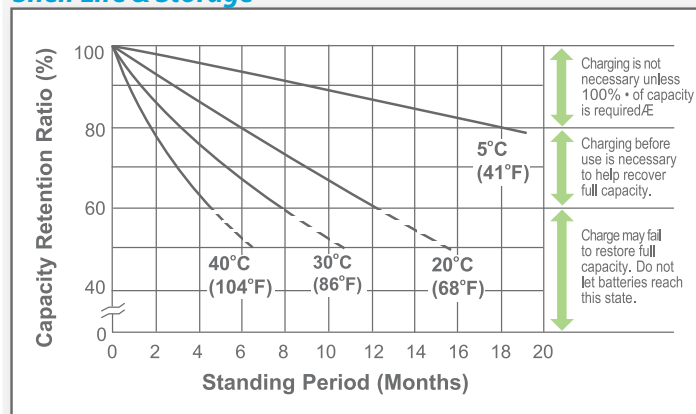
Constant Power Discharge Characteristics Unit:W (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
9.60V	369	237	189	109	66.5	27.1	18.5	10.1	5.5
10.20V	351	225	182	106	63.8	26.7	18.3	10.0	5.4
10.50V	331	212	174	102	61.0	26.2	17.9	10.0	5.4

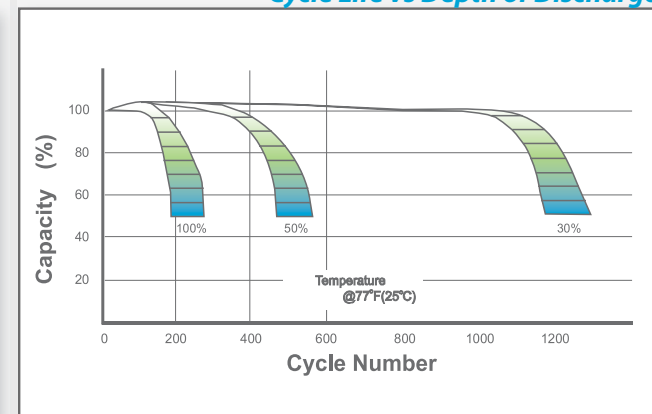
Discharge Characteristics



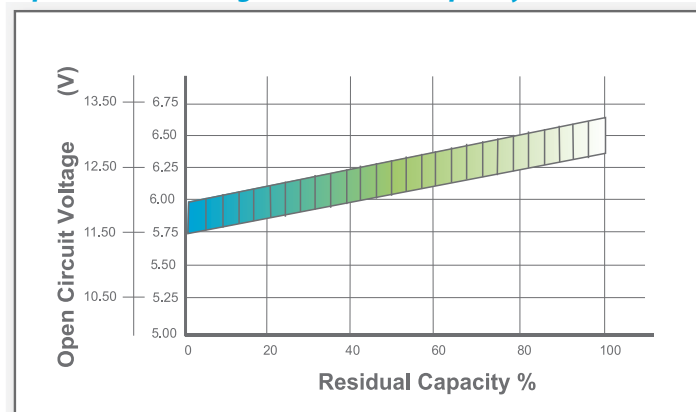
Shelf Life & Storage



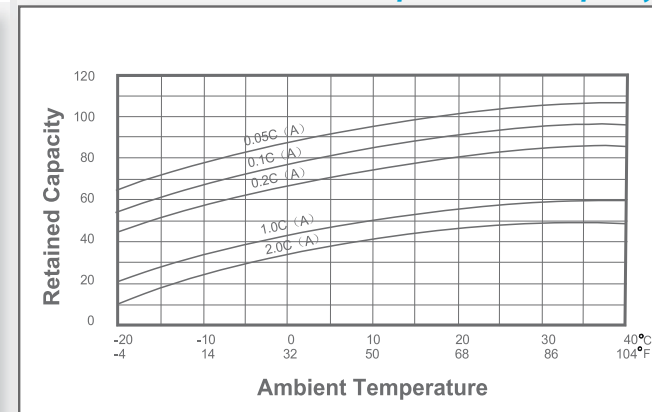
Cycle Life vs Depth of Discharge



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		Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.30C					
Standby	25°C(77°F)	2.325	2.30~2.35						



Let UPG Power Your Life.

www.upgi.com