

Absorbent Glass Mat (AGM) technology for superior performance. Valve regulated, spill proof construction allows safe operation in any position. Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified. U.L. recognized under file number MH 20567.

Maintenance-Free

**Specification**

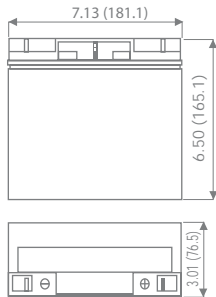
<b>Nominal Voltage</b>	12 volts		
<b>Nominal Capacity</b>	77° F (25° C)		
20-hr. (0.90A)	18 Ah		
10-hr. (1.67A)	16.74 Ah		
5-hr. (3.06A)	15.30 Ah		
1-hr. (10.80A)	10.80 Ah		
<b>Approximate Weight</b>	11.9 lbs (5.4 kgs)		
<b>Internal Resistance (approx.)</b>	18mΩ		
<b>Shelf Life (% of normal capacity at 77° F (25° C))</b>			
3 Months	6 Months	12 Months	
91%	82%	64%	
<b>Temperature Dependency of Capacity (20 hour rate)</b>			
104° F (40° C)	77° F (25° C)	32° F (0° C)	5° F (-15° C)
102%	100%	85%	65%
<b>AGM Operational Temperature</b>			
Charge	32°F to 104°F (0°C to 40°C)		
Discharge	5°F to 113°F (-15°C to 45°C)		
<b>AGM Storage Temperature</b>	5°F to 104°F (-15°C to 40°C)		



\*Can be used outdoors.

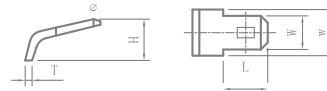
<b>Charge Method (Constant Voltage)</b>		
Initial Current	5.4 A or smaller	
Control Voltage	14.6 - 14.8 V	
<b>Cycle Use (Repeating Use)</b>		
Initial Current	5.4 A or smaller	
Control Voltage	14.6 - 14.8 V	
<b>Float Use</b>		
Control Voltage	13.6 - 13.8 V	

**Physical Dimensions: in (mm)**



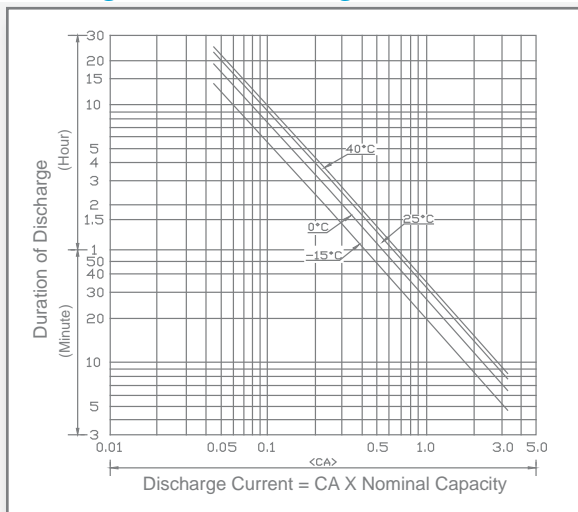
**L:** 7.13in (181.1 mm)  
**W:** 3.01in (76.5 mm)  
**H:** 6.50in (165.1 mm)  
**TH:** 6.57in (166.9 mm)  
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

**Terminals**

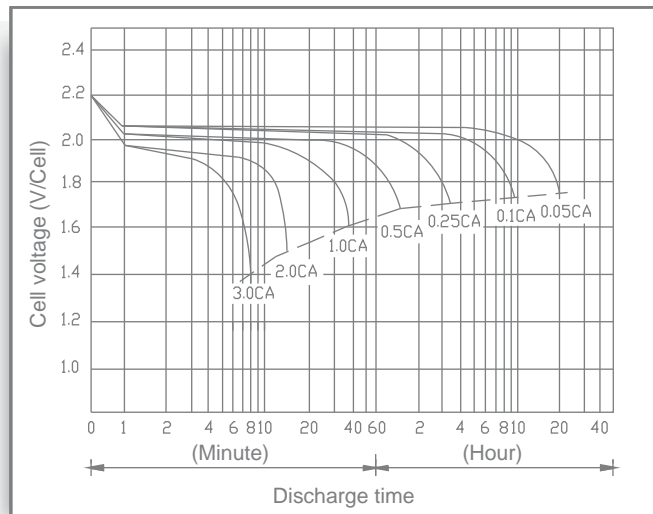


Dimension Type	L	W	w	H	T
F2	7.80 mm 0.31 in	6.35 mm 0.25 in	7.80 mm 0.31 in	6.00 mm 0.24 in	0.80 mm 0.03 in

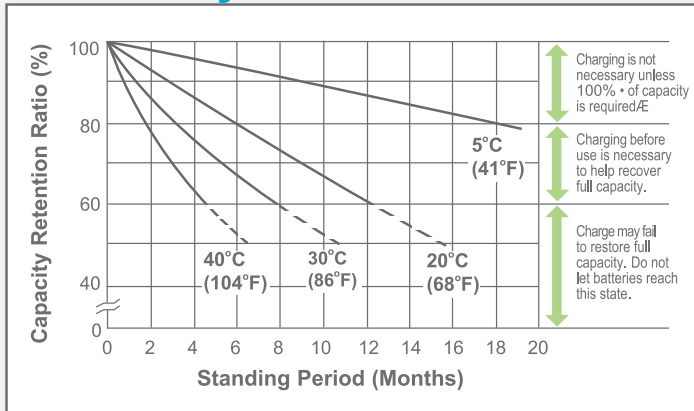
**Discharge Time vs. Discharge Current**



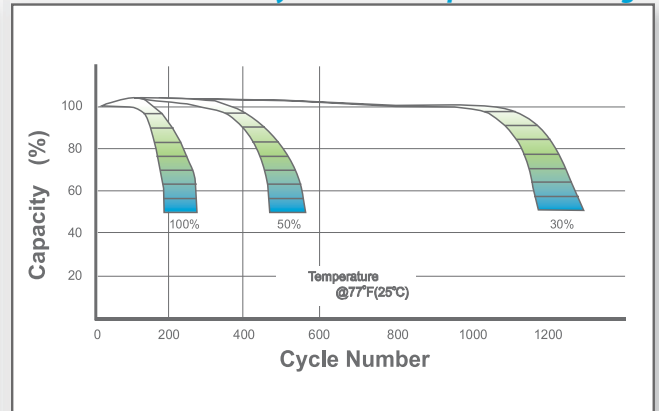
**Discharge Characteristics**



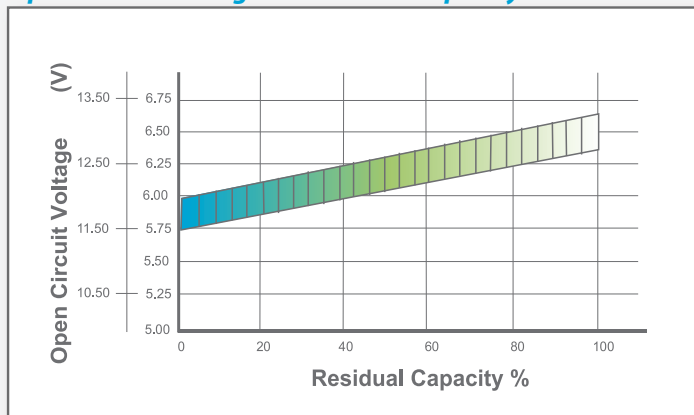
### Shelf Life & Storage



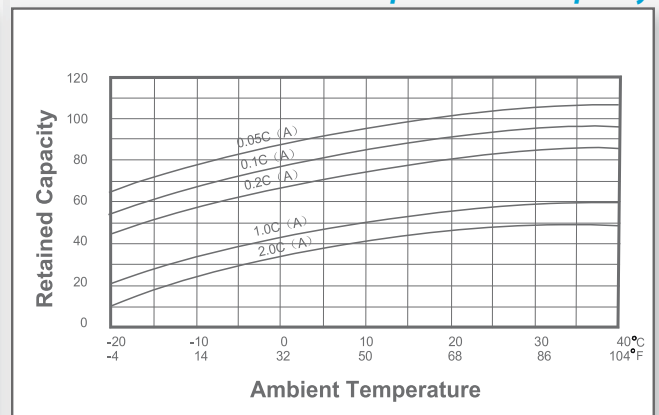
### Cycle Life vs Depth of Discharge



### 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	2.40-2.50	0.30°C	Discharge Current (A)	0.2C > (A)	0.2C < (A) < 0.5C	0.5C < (A) < 1.0C	(A) > 1.0C
Standby	25°C (77°F)	2.30	2.27-2.30						



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