Sealed Lead-Acid Battery

Absorbant 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

Discharge

Nominal Vo	ltage			12 volts	
Nominal Ca	pacity			77° F (25° C)	
20-hr.	(0.25A)			5.00 Ah	
10-hr.	(0.47A)			4.65 Ah	
5-hr.	(0.85A)			4.25 Ah	
1-hr.	(3.00A)			3.00 Ah	
Approxima	te Weigh	nt		3.09 lbs (1.4 kgs)	
Internal Res	nternal Resistance (approx.) $32m\Omega$				
Shelf Life (%	6 of norn	nal capacity at 68	8° F (20° C)		
3 Months		6 Months		12 Months	
91%		83%		64%	
Temperatu	re Depe	ndancy of Capa	city	(20 hour rate)	
104° F (40	O°C)	77° F (25°C)	32°F (0°C)	5°F (-15°C)	
102%		100%	85%	65%	
AGM Opera	ational T	emperature			
Charge			32°F to 104	°F (0°C to 40°C)	



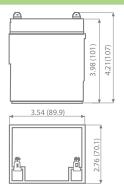
Due to continuous improvements to our products, product may vary slightly from depiction.

Charge Method (Constant Voltage)

	•	3 -	
Cycle Use (Re	peating Use)		
Initial Curre	ent	1.5 A or smaller	
Control Vol	ltage	14.6 - 14.8 V	
Float Use			
Control Vol	ltage	13.6 - 13.8 V	

Physical Dimensions: in (mm)

AGM Storage Temperature

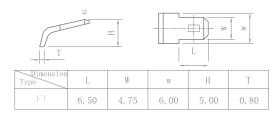


L: 3.54 in (89.9 mm)
W: 2.76 in (70.1 mm)
H: 3.98 in (101 mm)
TH: 4.21 in (107 mm)
Tolerances are +/- 0.04 in. (+/- 1mm)
and +/- 0.08 in. (+/- 2mm) for height
dimensions. All data subject to
change without notice.

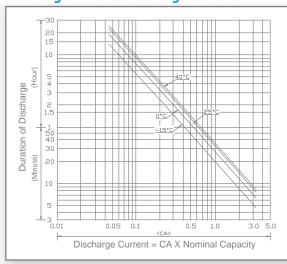
5°F to 113°F (-15°C to 45°C)

5°F to 104°F (-15°C to 40°C)

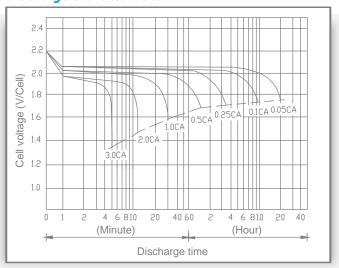
Terminals



Discharge Time vs. Discharge Current



Discharge Characteristics



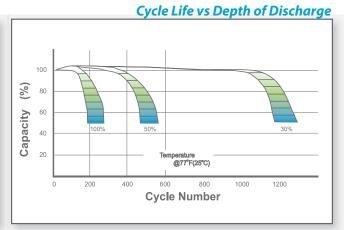


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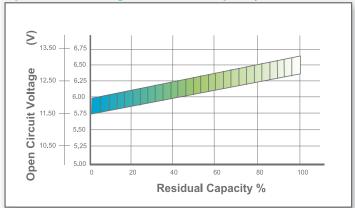
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Shelf Life & Storage Charging is not necessary unless 100% • of capacity is requiredÆ Capacity Retention Ratio (%) 80 Charging before use is necessary to help recover full capacity. 5°C (41°F) 60 Charge may fail to restore full capacity. Do not let batteries reach this state. 40°C 20°C (86°F) 40 (104°F) (68°F) o I 10 12 14 16 18 20

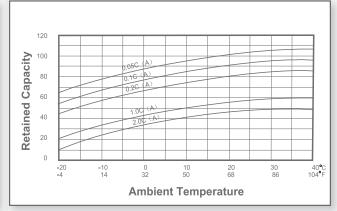
Standing Period (Months)



Open Circuit Voltage vs Residual Capacity



Effect of Temperature on Capacity



Charge Current & Final Discharge Voltage

Application	Charge Voltage(V/Cell)			May Charge Current		
Application	Temperature	Set Point	Allowable Range	Max.Charge Current		
Cycle Use	25°C (77°F)	2.45	2.43~2.47	0.30°C		
Standby	25°C (77°F)	2.28	2.27~2.30	0.30 C		

Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C





Let UPG Power Your Life.