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

Nominal Volta	age		12 volts		
Nominal Capacity			77° F (25° C)		
20-hr. (0.	45 A)			9.00 Ah	
10-hr. (0.	83 A)			8.30 Ah	
5-hr. (1.	54 A)			7.69 Ah	
1-hr. (5.	40 A)			5.40 Ah	
Approximate	Weight			5.17 lbs (2.35 kgs)	
Internal Resistance (approx.)				19mΩ	
Shelf Life (% o	of normal capac	ity at 68°	F (20° C)		
3 Mon	ths	6 Months	5	12 Months	
91%		83%		64%	
Temperature	Dependancy	of Capaci	ty	(20 hour rate)	
104° F (40°C	77°F (25	°C) 3	32°F (0°C)	5°F (-15°C)	
102%	100%	8	35%	65%	
AGM Operati	onal Temperat	ture			
Charge	Charge 32°F to		32°F to 104°	F (0°C to 40°C)	
Discharge		5	5°F to 113°F	(-15°C to 45°C)	
AGM Storage	Temperature	5	5°F to 104°F	(-15°C to 40°C)	

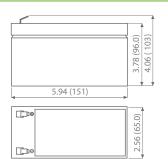


Due to continuous improvements to our products, product may vary slightly from depiction.

Charge Method (Constant Voltage)

criary constant voltage,				
Cycle Use (Repeating Use)				
Initial Current	2.7 A or smaller			
Control Voltage	14.6 - 14.8 V			
Float Use				
Control Voltage	13.6 - 13.8 V			

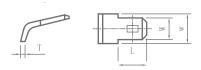
Physical Dimensions: in (mm)



L: 5.94 in (151 mm) **W:** 2.56 in (65.0 mm) **H:** 3.78 in (96.0 mm) **TH:** 4.06 in (103 mm)

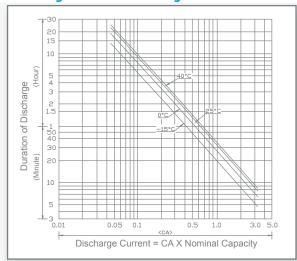
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals



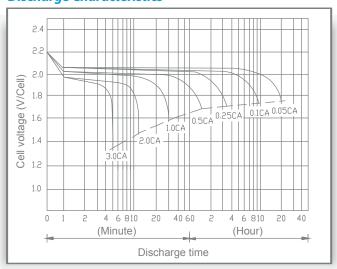
Dimension Type	L	W	W	Т
F2	7.9 mm	6.4 mm	8.2 mm	.8 mm
	0.31in	0.25 in	0.32 in	0.03 in

Discharge Time vs. Discharge Current



UPG is ISO Certified

Discharge Characteristics



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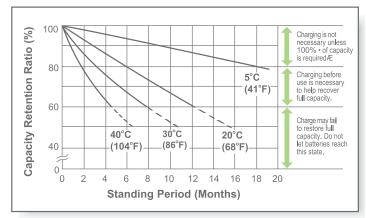
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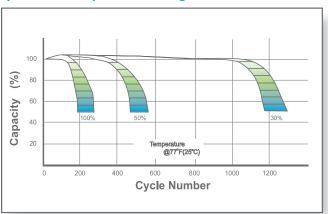
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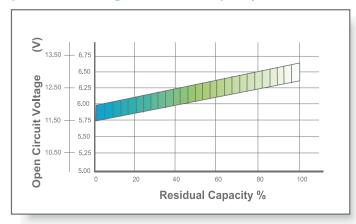
Shelf Life & Storage



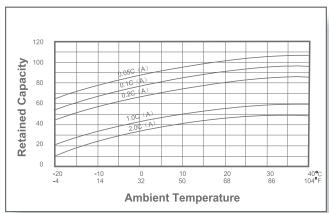
Cycle Life vs Depth of Discharge



Open Circuit Voltage vs Residual Capacity



Effect of Temperature on Capacity



Charge Current & Final Discharge Voltage

Application	Charge Voltage (V/Cell)			Max.	
	Temperature	Set Point	Allowable Range	Charge Current	
Cycle Use	25 °ℂ(77 °F)	2.45	2.43~2.47	0.30C	
Standby	25°C (77°F)	2.28	2.27~2.30	0.300	

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)<1.0	(A)>1.0C

