Sealed Lead-Acid Battery

UPG No. 40749

UB1290

Maintenance-Free

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.

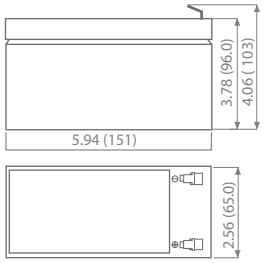
Specification

Nominal Voltage			12 volts
Nominal Capacity			77º F (25º C)
20-hr. (0.45A)			9.00 Ah
10-hr. (0.83A)			8.30 Ah
5-hr. (1.54A)			7.69 Ah
1-hr. (5.40A)			5.40 Ah
Approximate Weight			5.17 lbs (2.35 kgs)
Internal Resistance (approx.)			19mΩ
Shelf Life (% of normal capacity at 68º F (20º C)			
3 Months	6 Months		12 Months
91%	83%		64%
Temperature Dependancy 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)	

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

Charge Method (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

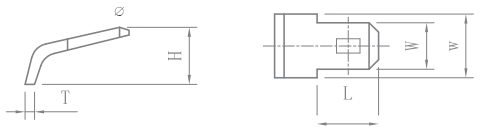
Physical Dimensions: in (mm)



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)

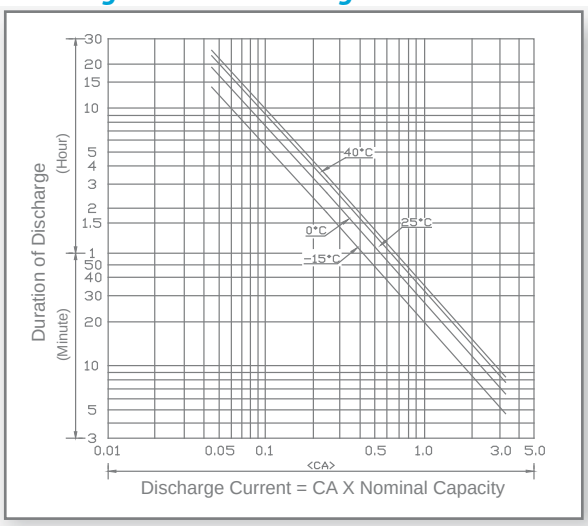
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals

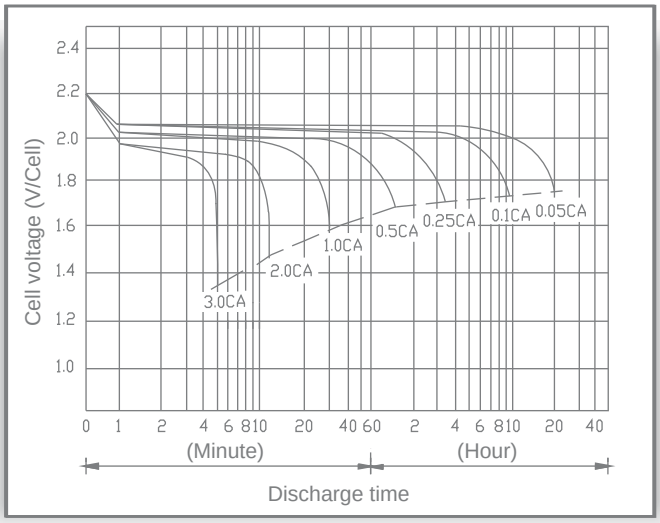


Type \ Dimension	L	W	w	H	T
F1	6.50 mm 0.26 in	4.75 mm 0.19 in	6.00 mm 0.24 in	5.00 mm 0.20 in	0.80 mm 0.03 in

Discharge Time vs. Discharge Current



Discharge Characteristics



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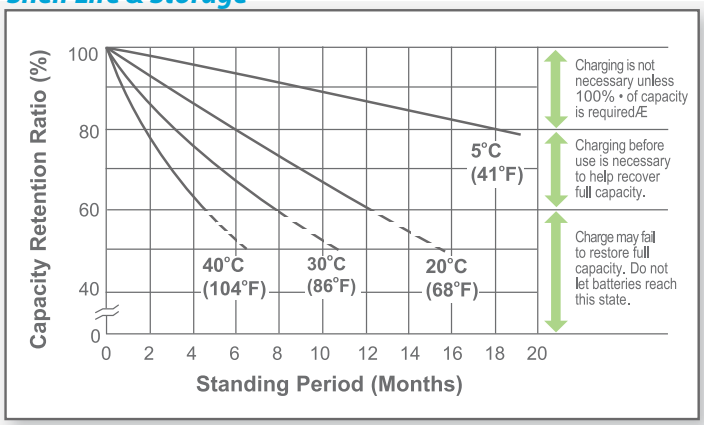
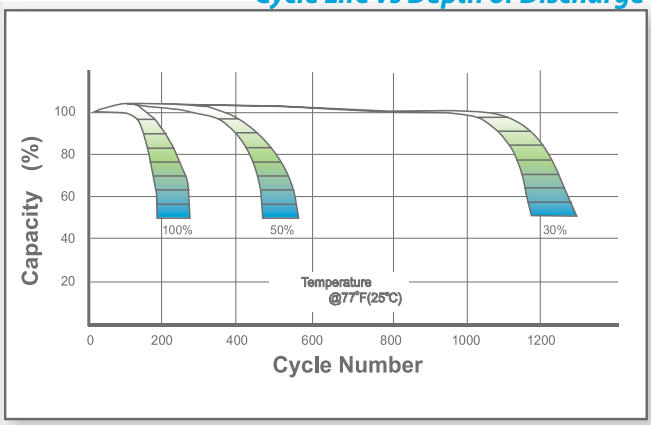
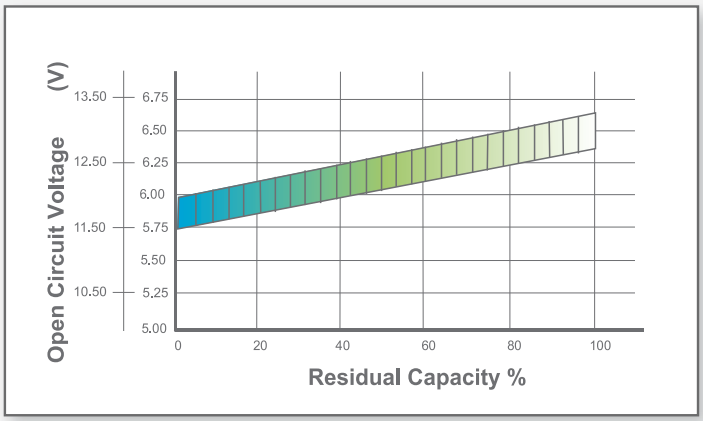
Shelf Life & Storage



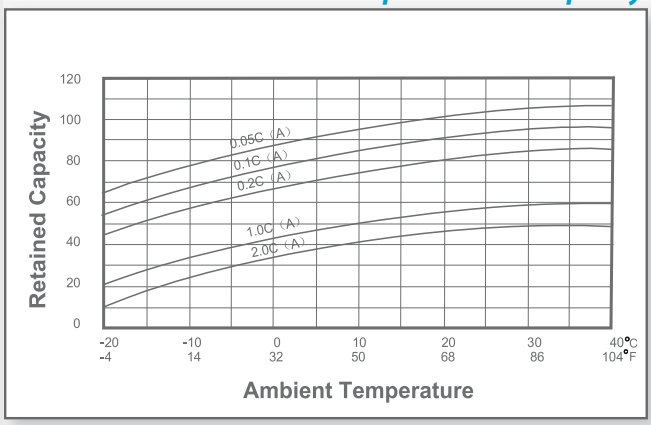
Cycle Life vs Depth of Discharge



Open Circuit Voltage vs Residual Capacity



Effect of Temperature on Capacity



Charge Current & Final Discharge Voltage

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25℃(77℉)	2.45	2.40~2.47	0.30C
Standby	25℃(77℉)	2.28	2.27~2.30	

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