



Sealed Lead-Acid Battery

UPG No. D5731

UB613

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		6 volts	
Nominal Capacity		77° F (25° C)	
20-hr.	(0.07A)	1.3 Ah	
10-hr.	(0.12A)	1.2 Ah	
5-hr.	(0.22A)	1.1 Ah	
1-hr.	(0.78A)	0.78 Ah	
Approximate Weight		0.64 lbs (0.29 kg)	
Internal Resistance (approx.)		61mΩ	
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	

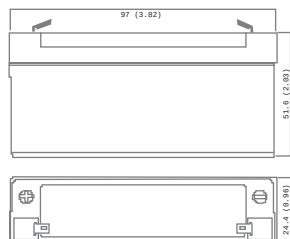


Charge Method (Constant Voltage)

Cycle Use (Repeating Use)

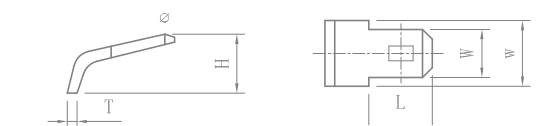
Initial Current	0.40 A or smaller
Control Voltage	7.25-7.45 V
Float Use	
Control Voltage	6.80-6.90 V

Physical Dimensions: in (mm)



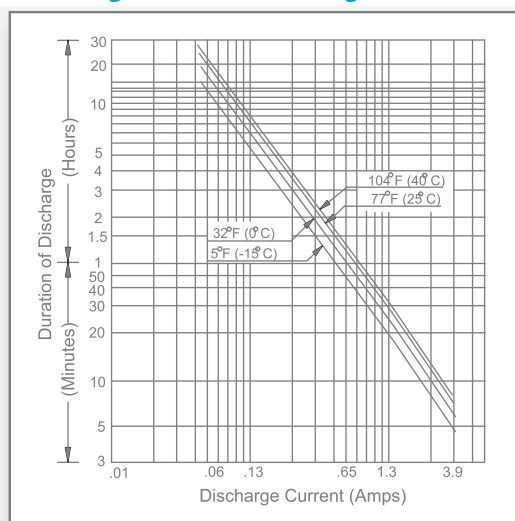
L: 3.82in (97 mm)
W: 0.96in (24.4 mm)
H: 2.03in (51.6 mm)
TH: 2.28in (57.9 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals

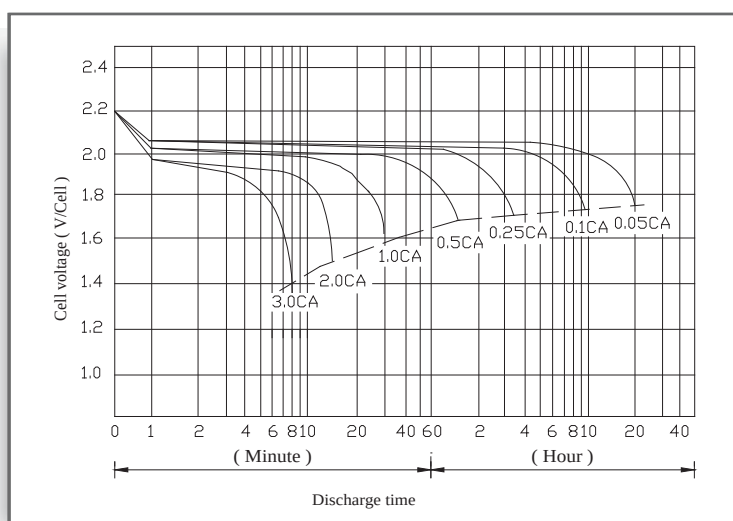


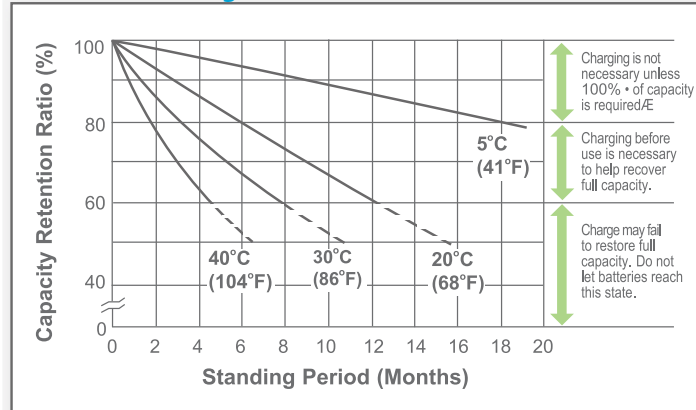
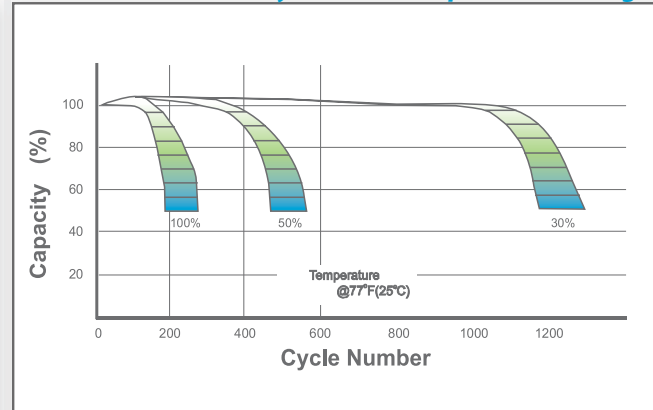
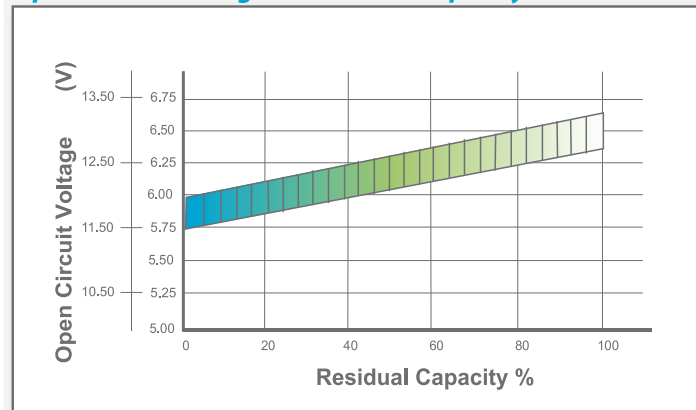
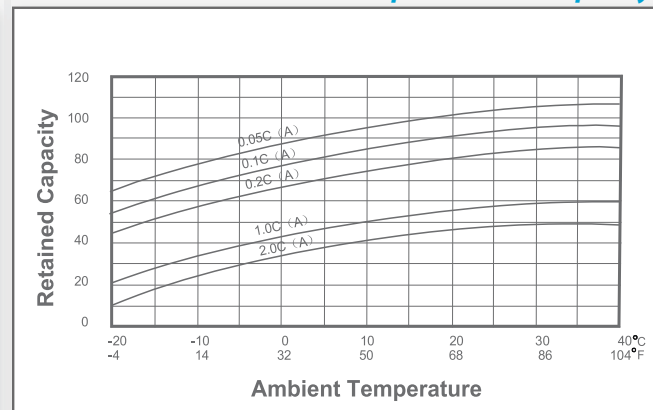
Dimension Type	L	W	w	H	T
F1	6.50	4.75	6.00	5.00	0.80

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						



Let UPG Power Your Life.

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