



## 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.

UPG No. D5741

# UB1250

Maintenance-Free

### Specification

<b>Nominal Voltage</b>		12 volts	
<b>Nominal Capacity</b>		77° F (25° C)	
20-hr. (0.25A)		5.0 Ah	
10-hr. (0.47A)		4.65 Ah	
5-hr. (0.85A)		4.25 Ah	
1-hr. (3.00A)		3.00 Ah	
<b>Approximate Weight</b>		3.09 lbs (1.4 kgs)	
<b>Internal Resistance</b> (approx.)		32mΩ	
<b>Shelf Life</b> (% of normal capacity at 77° F (25° C))			
3 Months		6 Months	
91%		82%	
		12 Months	
		64%	
<b>Temperature Dependency of Capacity</b>		(20 hour rate)	
104° F	77° F	32° F	5° F
102%	100%	85%	65%



### Charge Method (Constant Voltage)

### Cycle Use (Repeating Use)

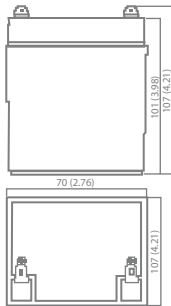
Initial Current 1.75 A or smaller

Control Voltage 14.5 - 14.9 V

### Float Use

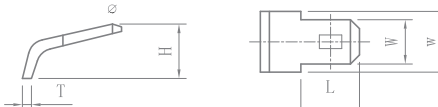
Control Voltage 13.6 - 13.8 V

### Physical Dimensions: in (mm)



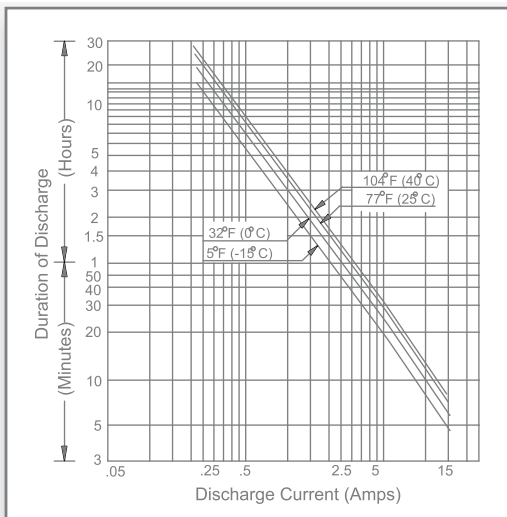
**L:** 3.54in (89.9 mm)  
**W:** 2.76in (70.1 mm)  
**H:** 3.98in (101.1 mm)  
**TH:** 4.21in (106.9 mm)  
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

### Terminals

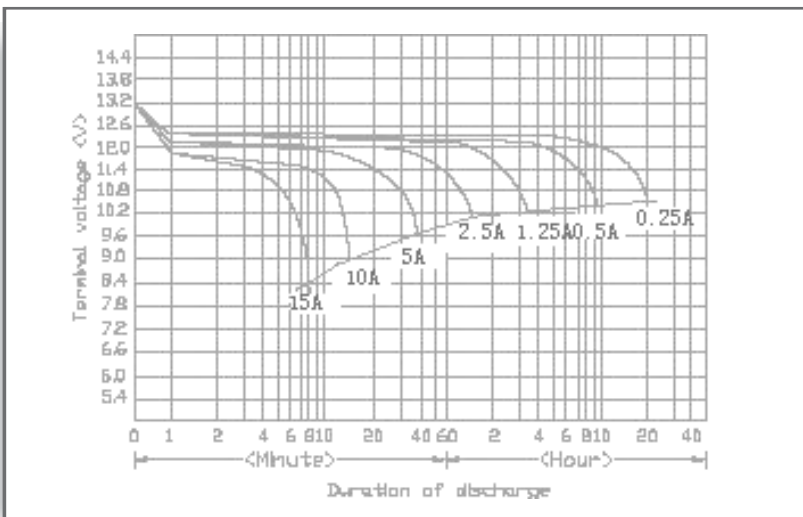


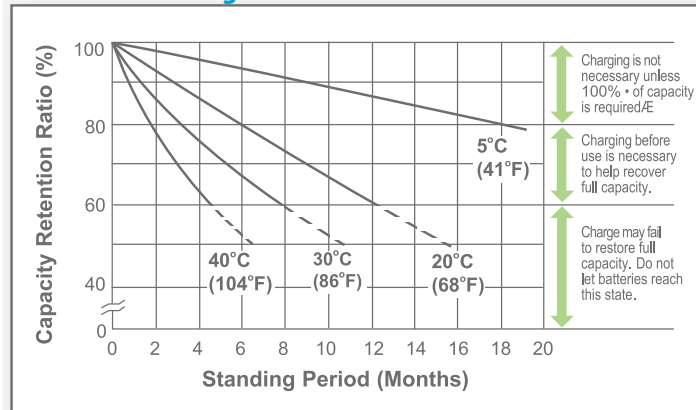
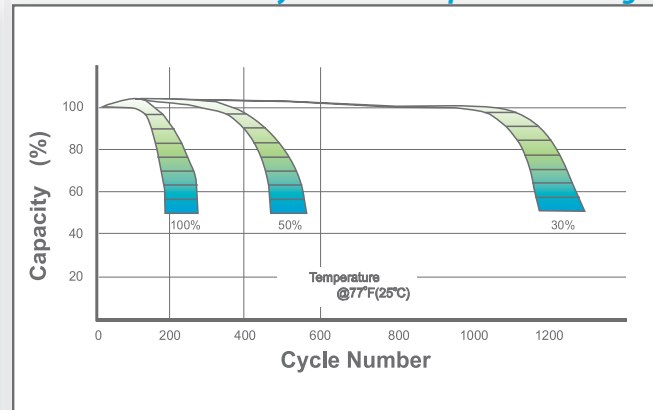
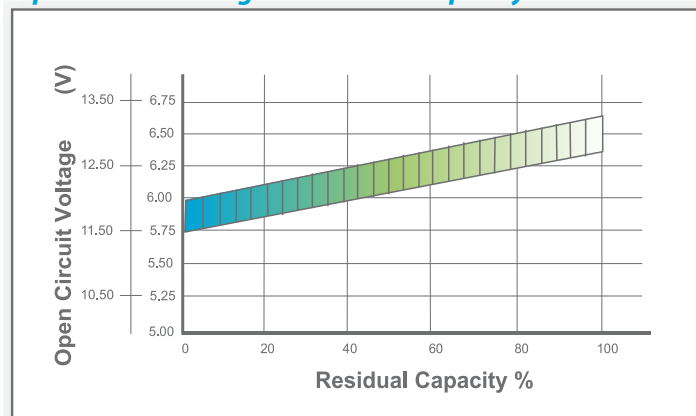
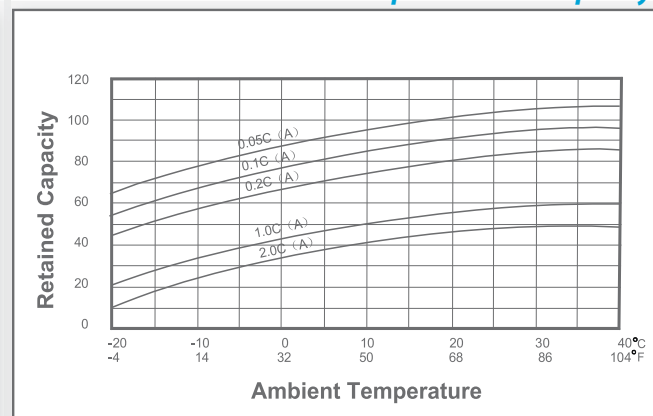
Dimension Type	L	W	w	H	T
F1	6.50	4.75	6.00	5.00	0.80

### 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		Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.35C					
Standby	25°C(77°F)	2.325	2.30~2.35						



ISO 9001 :2008

Let UPG Power Your Life.

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