

UB1250

Maintenance-Free



Specification

Nominal Voltage	12 volts		
Nominal Capacity	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		
Approximate Weight	3.09 lbs (1.4 kgs)		
Internal Resistance (approx.)	32mΩ		
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%

Charge Method (Constant Voltage)

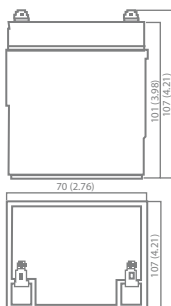
Cycle Use (Repeating Use)

Initial Current	1.5 A or smaller
Control Voltage	14.5 - 14.9 V

Float Use

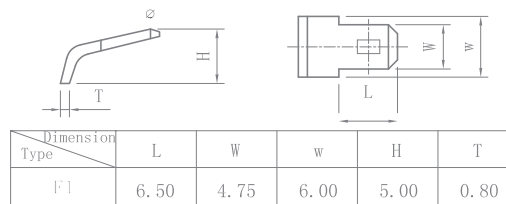
Control Voltage	13.6 - 13.8 V
-----------------	---------------

Physical Dimensions: in (mm)

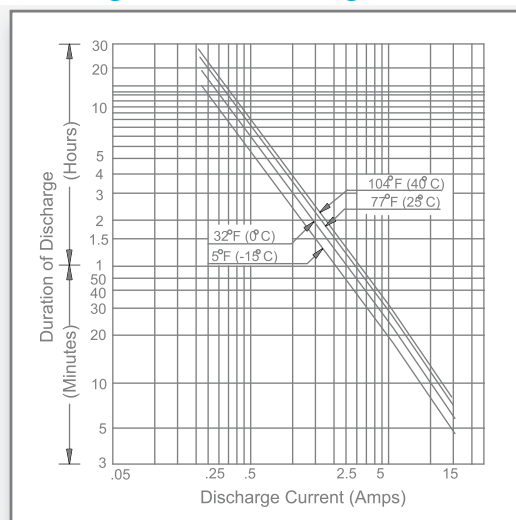


L: 3.54in (89.9 mm)
W: 2.76in (70.1 mm)
H: 3.98in (101.1 mm)
TH: 4.21in (106.9 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

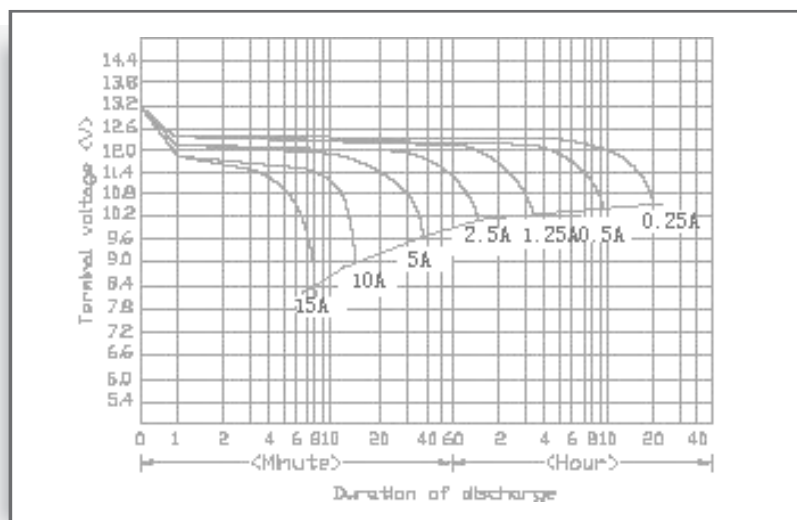
Terminals



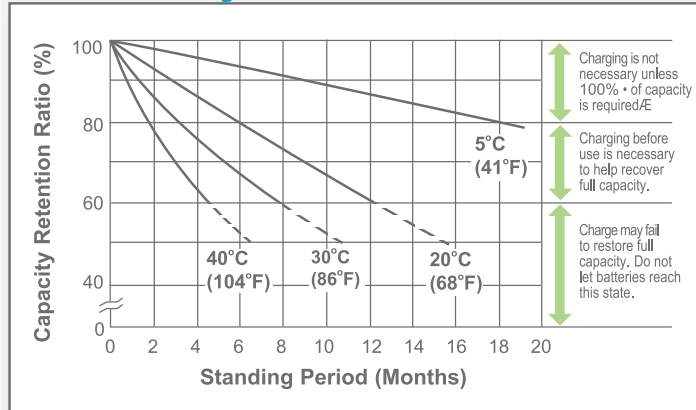
Discharge Time vs. Discharge Current



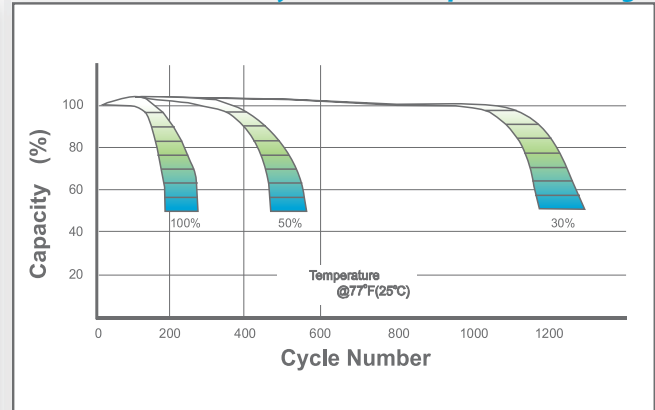
Discharge Characteristics



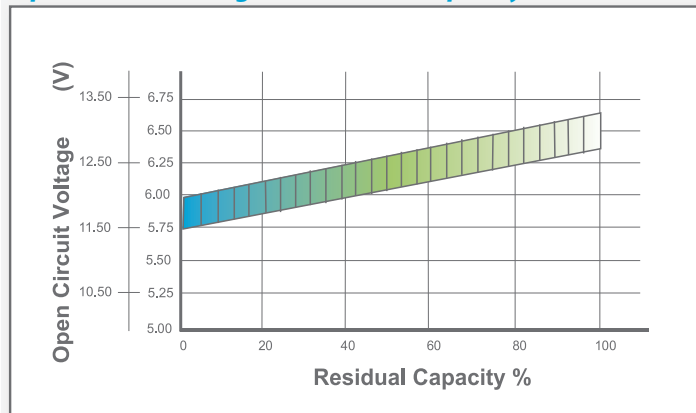
Shelf Life & Storage



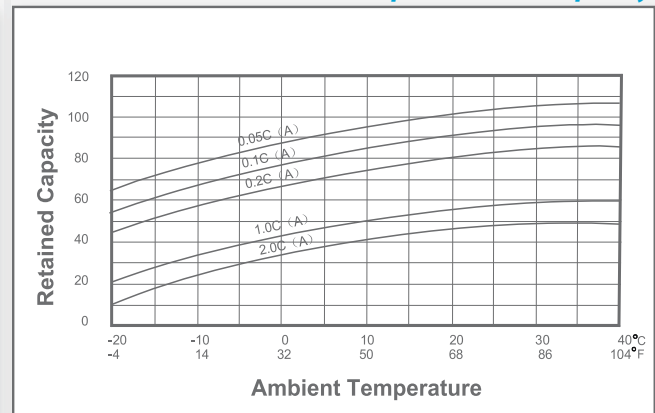
Cycle Life vs Depth of Discharge



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	0.30C	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						

