

# UB12150

Maintenance-Free



## Specification

<b>Nominal Voltage</b>	12 volts (6 cells)		
<b>Nominal Capacity</b>			
20-hr. (0.75A)	15.00 Ah		
10-hr. (1.40A)	13.95 Ah		
5-hr. (2.55A)	12.75 Ah		
1-hr. (9.00A)	9.00 Ah		
<b>Approximate Weight</b>	8.5 lbs. (3.85 kg)		
<b>Shelf Life</b> (% of normal capacity at 77° F (25° C))			
3 Months	6 Months	12 Months	
91%	82%	64%	
<b>Temperature Dependency of Capacity</b> (20 hour rate)			
104° F	77° F	32° F	5° F
102%	100%	85%	65%
<b>AGM Operational Temperature</b>			
Charge	0°C to 40°C		
Discharge	-15°C to 45°C		
<b>AGM Storage Temperature</b>	-15°C to 40°C		

## Charge Method (Constant Voltage)

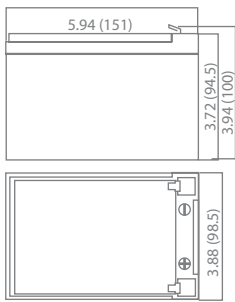
## Cycle Use (Repeating Use)

Initial Current	4.5 A or smaller
Control Voltage	14.6 - 14.8 V

## Float Use

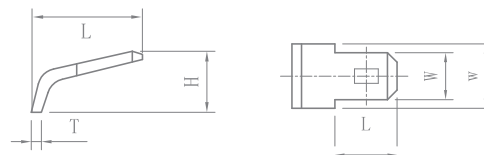
Control Voltage	13.6 - 13.8 V
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## Physical Dimensions: in (mm)



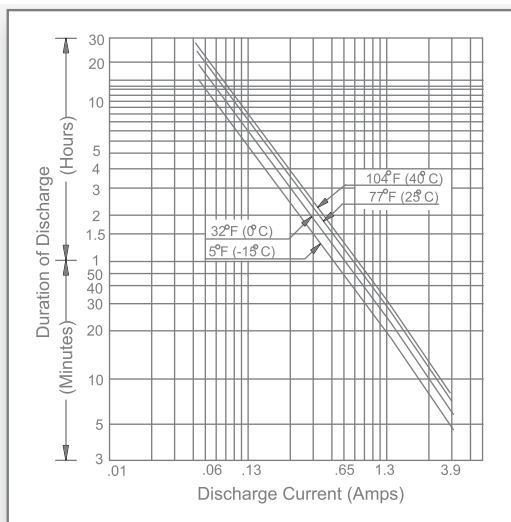
**L:** 5.95in (151 mm)  
**W:** 3.88in (98.5 mm)  
**H:** 3.72in (94.5 mm)  
**TH:** 3.94in (100 mm)  
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

## Terminals

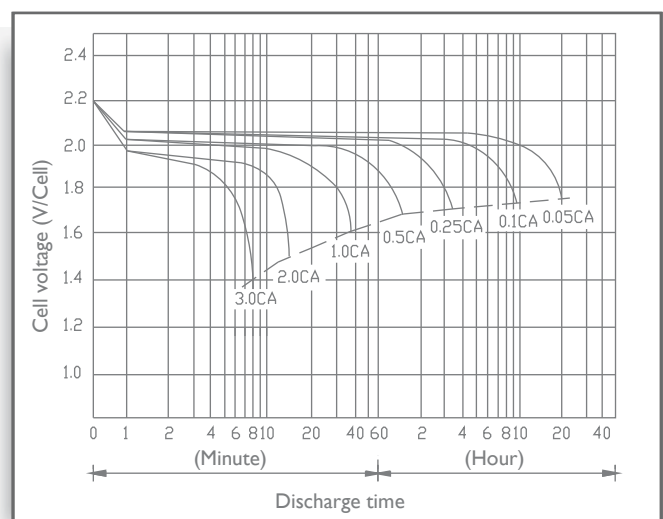


Dimension Type	L	W	H	D	TP
F2	7.80	6.35	7.80	6.00	0.80

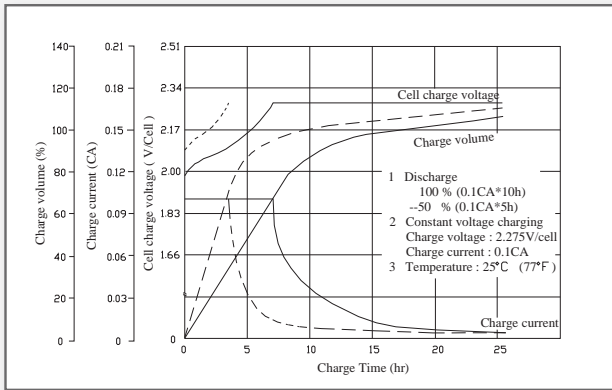
## Discharge Time vs. Discharge Current



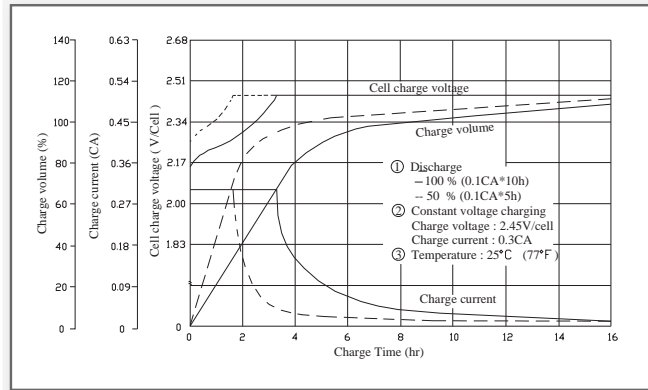
## Discharge Characteristics



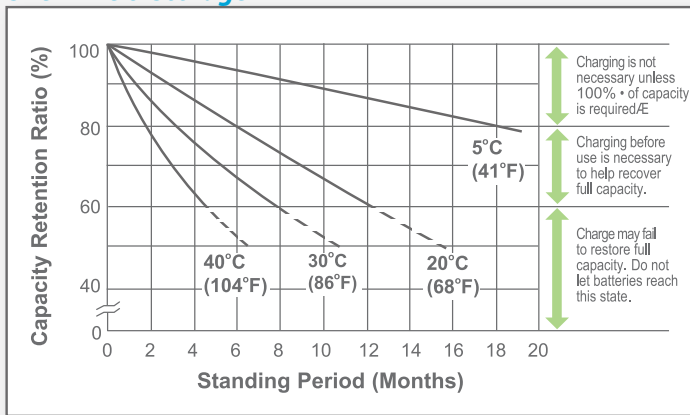
## Battery Charging Characteristics for Standby Use



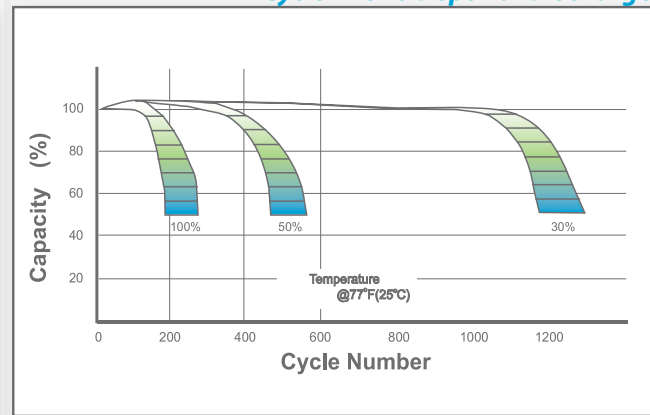
## Battery Charging Characteristics for Cyclic Use



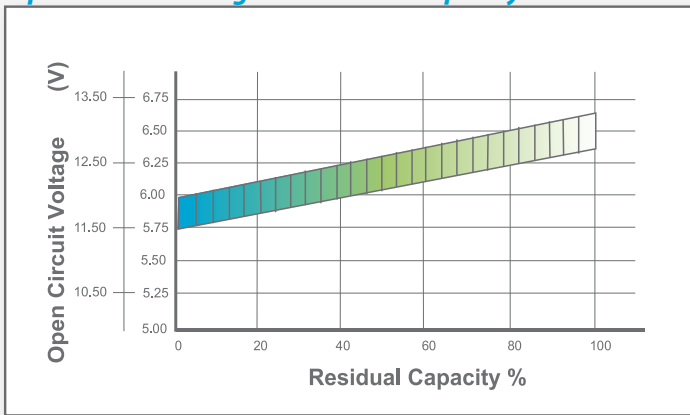
## Shelf Life & Storage



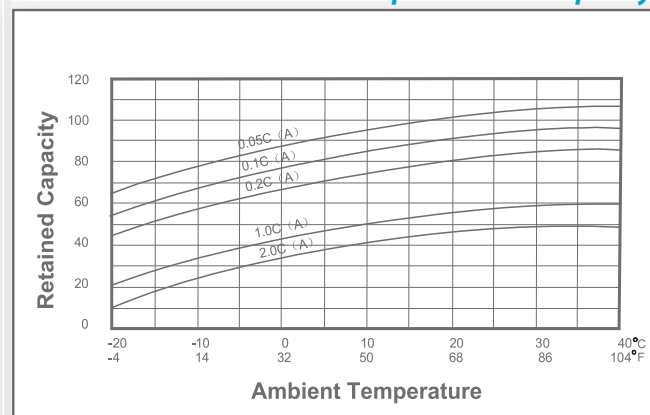
## Cycle Life vs Depth of Discharge



## 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	2.43~2.47	0.30C	Discharge	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C
Standby	25°C(77°F)	2.28	2.27~2.30		Current(A)				

