

## Specification

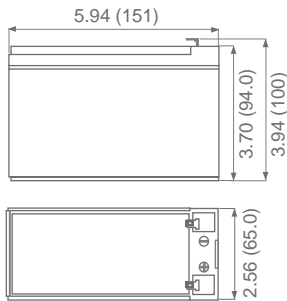
<b>Nominal Voltage</b>	12 volts		
<b>Nominal Capacity</b>	77° F (25° C)		
20-hr. (0.4A)	8.00 Ah		
10-hr. (0.744A)	7.44 Ah		
5-hr. (1.36A)	6.80 Ah		
1-hr. (4.8A)	4.80 Ah		
<b>Approximate Weight</b>	4.74 lbs (2.14 kgs)		
<b>Internal Resistance (approx.)</b>	23mΩ		
<b>Shelf Life</b> (% of normal capacity at 68° F (20° C))			
3 Months	6 Months	12 Months	
91%	83%	64%	
<b>Temperature Dependency of Capacity</b> (20 hour rate)			
104° F (40° C)	77° F (25° C)	32° F (0° C)	5° F (-15° C)
102%	100%	85%	65%
<b>AGM Operational Temperature</b>			
Charge	32° F to 104° F (0° C to 40° C)		
Discharge	5° F to 113° F (-15° C to 45° C)		
<b>AGM Storage Temperature</b>	5° F to 104° F (-15° C to 40° C)		



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

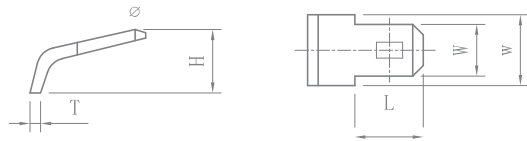
<b>Charge Method</b> (Constant Voltage)	
<b>Cycle Use</b> (Repeating Use)	
Initial Current	2.4 A or smaller
Control Voltage	14.6 - 14.8 V
<b>Float Use</b>	
Control Voltage	13.6 - 13.8 V

## Physical Dimensions: in (mm)



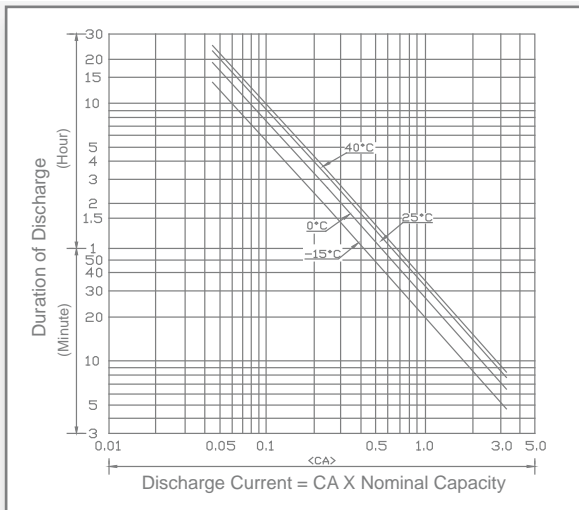
**L:** 5.94 in (151 mm)  
**W:** 2.56 in (65.0 mm)  
**H:** 3.70 in (94.0 mm)  
**TH:** 3.94 in (100 mm)  
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

## Terminals

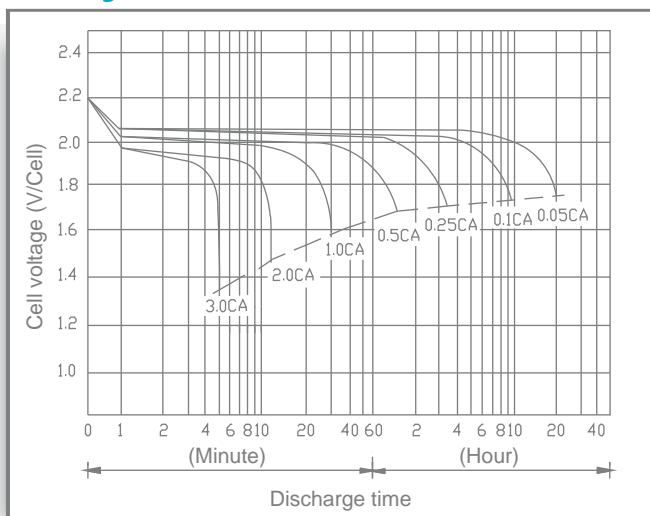


Dimension Type	L	W	w	H	T
F2	7.80	6.35	7.80	6.00	0.80

## Discharge Time vs. Discharge Current



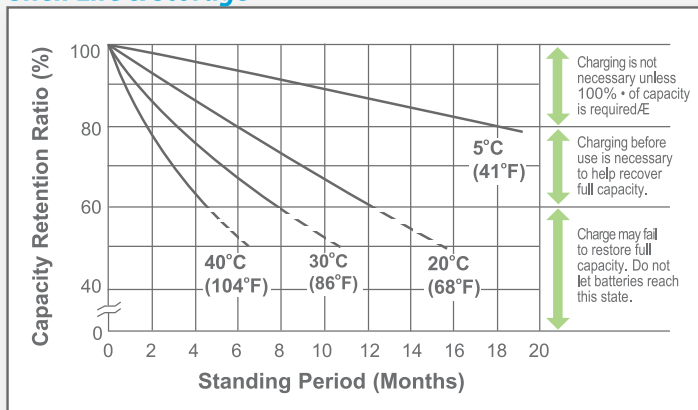
## Discharge Characteristics



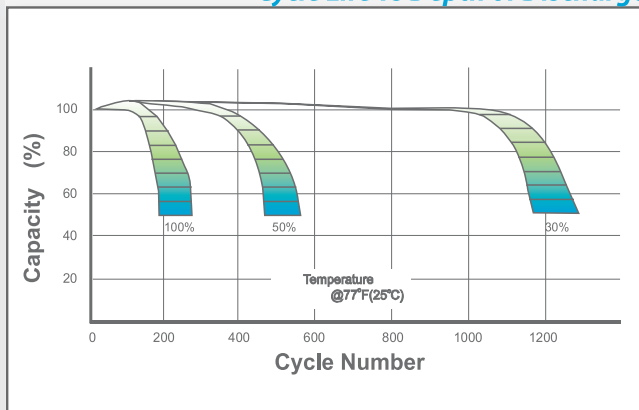
# UB1280

Maintenance-Free

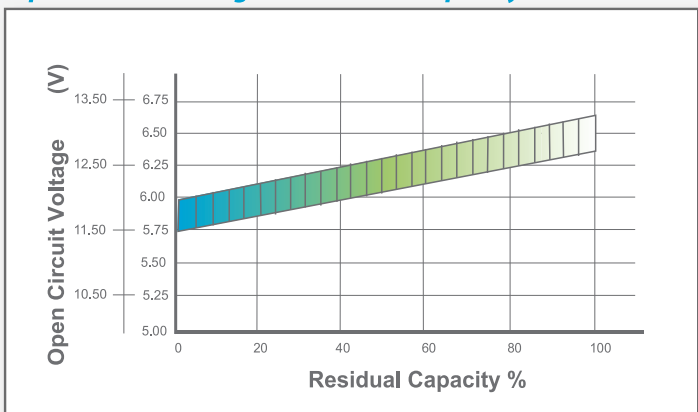
## Shelf Life & Storage



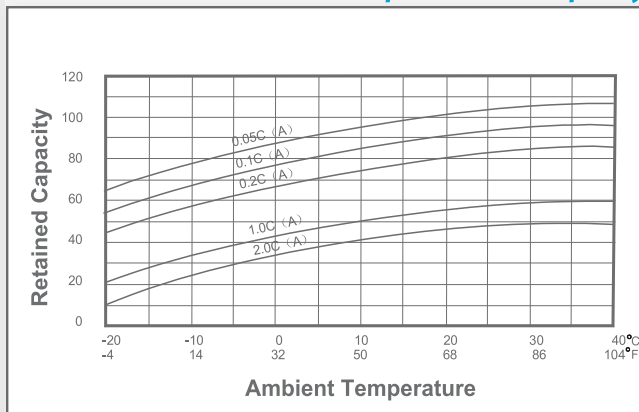
## Cycle Life vs Depth of Discharge



## 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	Discharge Current(A)	Final Discharge Voltage V/Cell	Discharge Current(A)	Final Discharge Voltage V/Cell	Discharge Current(A)
	Temperature	Set Point	Allowable Range							
Cycle Use	25°C(77°F)	2.45	2.40~2.50	.3C	1.75	0.2C>(A)	1.70	0.2C<(A)<0.5C	1.60	0.5C<(A)<1.0C
Standby	25°C(77°F)	2.30	2.3 ~2.35		1.30	(A)>1.0C				