

## Specification

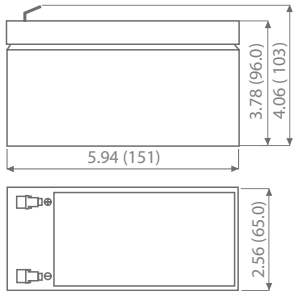
<b>Nominal Voltage</b>	12 volts		
<b>Nominal Capacity</b>	77° F (25° C)		
20-hr. (0.45 A)	9.00 Ah		
10-hr. (0.83 A)	8.30 Ah		
5-hr. (1.54 A)	7.69 Ah		
1-hr. (5.40 A)	5.40 Ah		
<b>Approximate Weight</b>	5.17 lbs (2.35 kgs)		
<b>Internal Resistance (approx.)</b>	19mΩ		
<b>Shelf Life (% of normal capacity at 68° F (20° C))</b>			
3 Months	6 Months	12 Months	
91%	83%	64%	
<b>Temperature Dependency of Capacity (20 hour rate)</b>			
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 (Constant Voltage)</b>		
<b>Cycle Use (Repeating Use)</b>		
Initial Current	2.7 A or smaller	
Control Voltage	14.6 - 14.8 V	
<b>Float Use</b>		
Control Voltage	13.6 - 13.8 V	

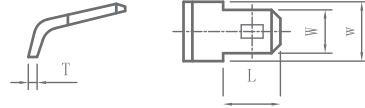
## Physical Dimensions: in (mm)



**L:** 5.94 in (151 mm)  
**W:** 2.56 in (65.0 mm)  
**H:** 3.78 in (96.0 mm)  
**TH:** 4.06 in (103 mm)

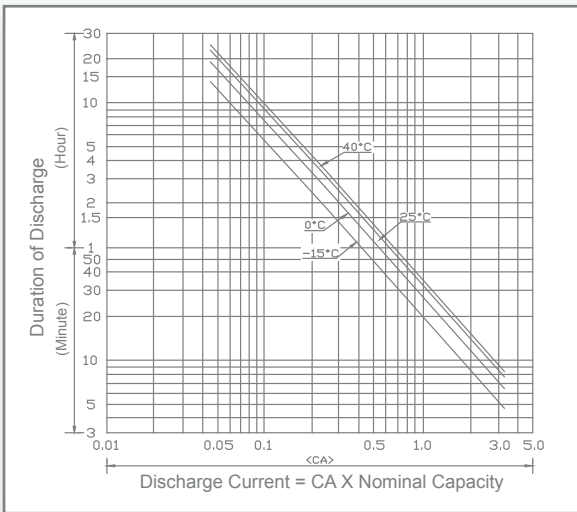
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

## Terminals

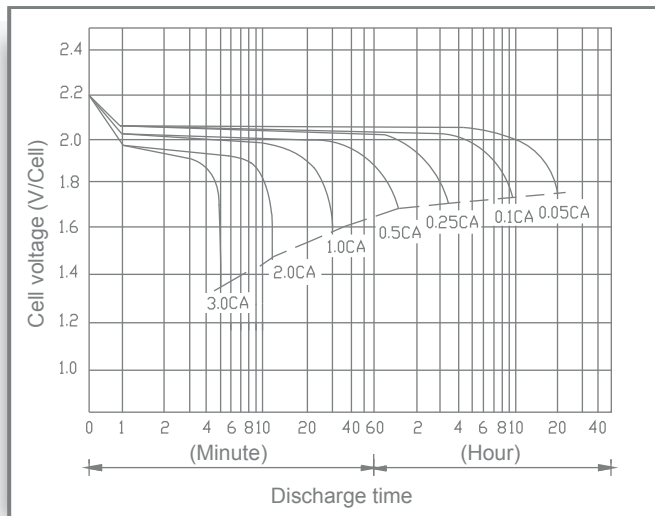


Dimension Type	L	W	w	T
F2	7.9 mm 0.31in	6.4 mm 0.25 in	8.2 mm 0.32 in	.8 mm 0.03 in

## Discharge Time vs. Discharge Current



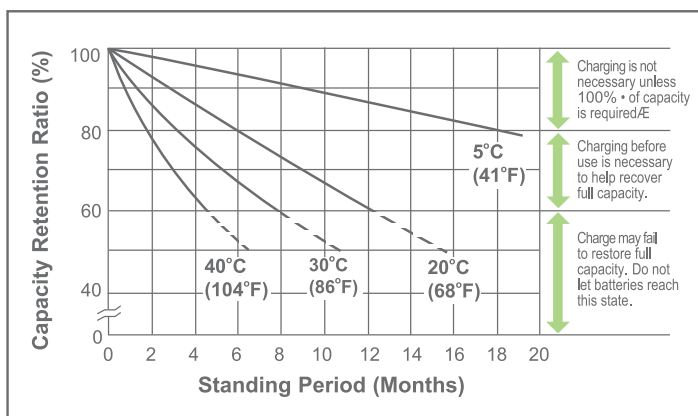
## Discharge Characteristics



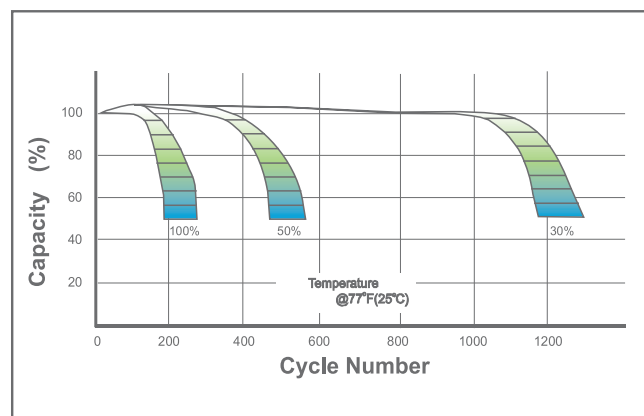
# UB1290

Maintenance-Free

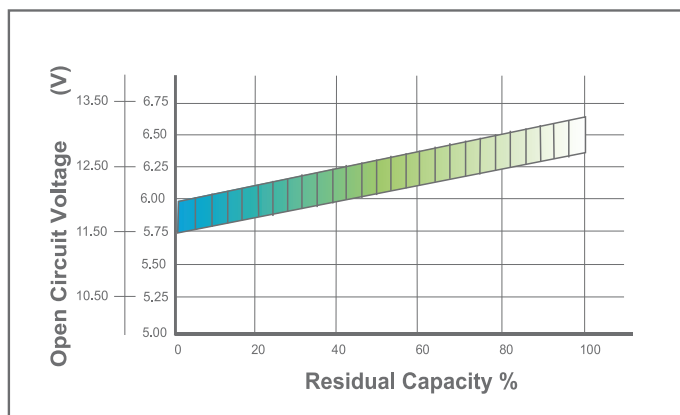
## Shelf Life & Storage



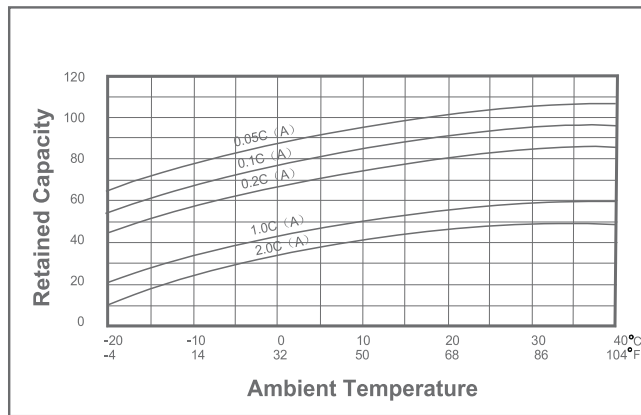
## Cycle Life vs Depth of Discharge



## Open Circuit Voltage vs Residual Capacity



## Effect of Temperature on Capacity



## Charge Current & Final Discharge Voltage

Application	Charge Voltage (V/Cell)			Max. Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C (77°F)	2.45	2.43~2.47	0.30C
Standby	25°C (77°F)	2.28	2.27~2.30	

Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
Discharge Current (A)	0.2C > (A)	0.2C < (A) < 0.5C	0.5C < (A) < 1.0	(A) > 1.0C