



SERVICE FOR THE DISTANCE

# POWERSTRIDE BATTERY

# UB12120

Maintenance-Free

## Specification

<b>Nominal Voltage</b>	12 volts		
<b>Nominal Capacity</b>	77° F (25° C)		
20-hr. (0.60A)	12.0 Ah		
10-hr. (1.08A)	10.8 Ah		
5-hr. (1.92A)	9.6 Ah		
1-hr. (7.20A)	7.20 Ah		
<b>Approximate Weight</b>	8.16 lbs (3.7 kg)		
<b>Internal Resistance (approx.)</b>	20mΩ		
<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)

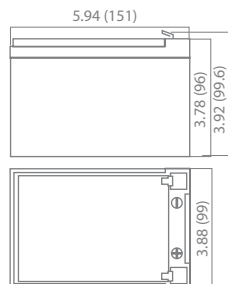
Initial Current 3.6 A or smaller

Control Voltage 14.5-14.9 V

## Float Use

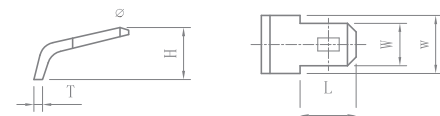
Control Voltage 13.6-13.8 V

## Physical Dimensions: in (mm)



**L:** 5.94 in (151 mm)  
**W:** 3.88 in (99 mm)  
**H:** 3.78 in (96 mm)  
**TH:** 3.92 in (99.6 mm)  
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

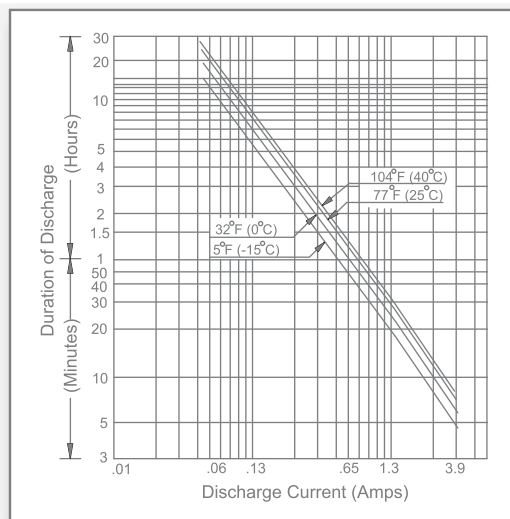
## Terminals



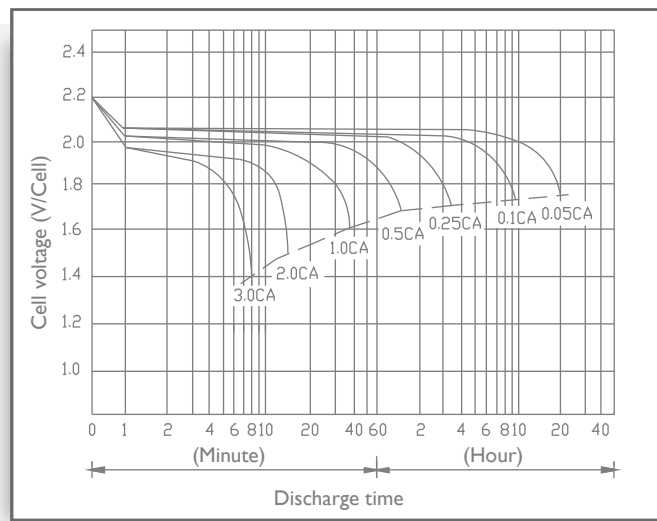
## F Series (Faston Tabs)

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

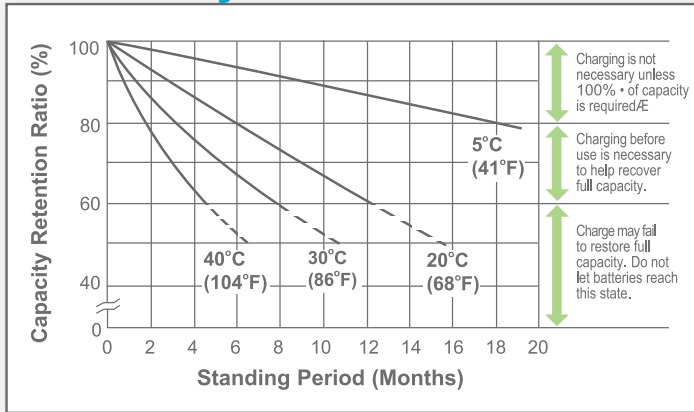
## Discharge Time vs. Discharge Current



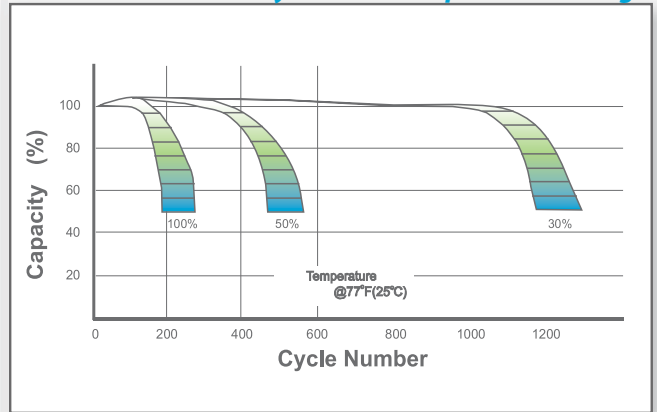
## Discharge Characteristics



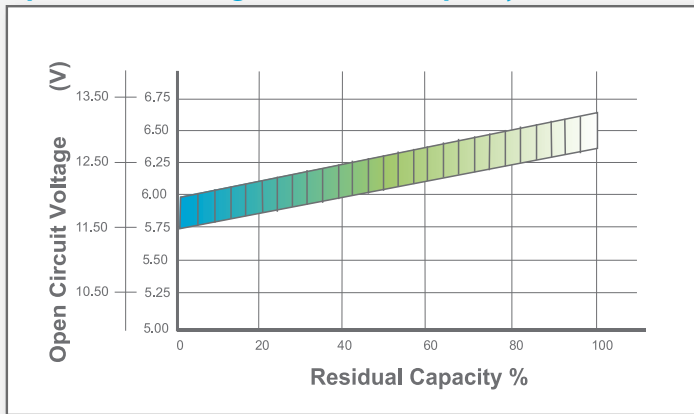
## Shelf Life & Storage



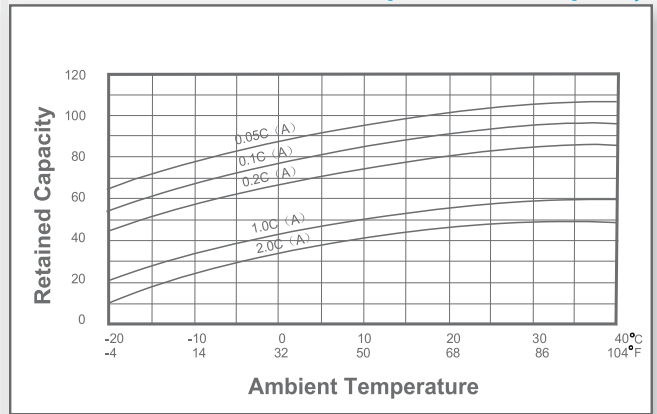
## Cycle Life vs Depth of Discharge



## 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						
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.30°C	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						