

# UB1234

Maintenance-Free



## POWERSTRIDE BATTERY

### Specification

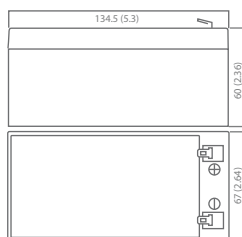
<b>Nominal Voltage</b>	12 volts (6 cells)		
<b>Nominal Capacity</b>			
20-hr. (0.175A)	3.4AH		
10-hr. (0.300A)	3.0 Ah		
5-hr. (0.540 A)	2.7 Ah		
1-hr. (2.10 A)	2.1 Ah		
<b>Approximate Weight</b>	3.02 lbs (1.37 kgs)		
<b>Max Discharge Current for 5 sec. (A)</b>	50 A		
<b>Max Charge Current (A)</b>	0.7A		
<b>Ambient Temperature</b>			
Charge	0°C (32°F) to 40°C (104°F)		
Discharge	-20°C (-4°F) to 50°C (122°F)		
Storage	-20°C (-4°F) to 40°C (104°F)		
<b>Expected Life for Standby Use at 20°C</b>	1-3 Years		
<b>Case</b>	ABS Plastic		
<b>Shelf Life</b> (% of normal capacity at 77° F (25° C))			
3 Months	6 Months	12 Months	
91%	82%	64%	



### Temperature Dependency of Capacity (20 hour rate)

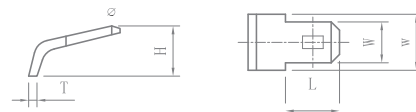
104° F	77° F	32° F	5° F
102%	100%	85%	65%

### Physical Dimensions: in (mm)



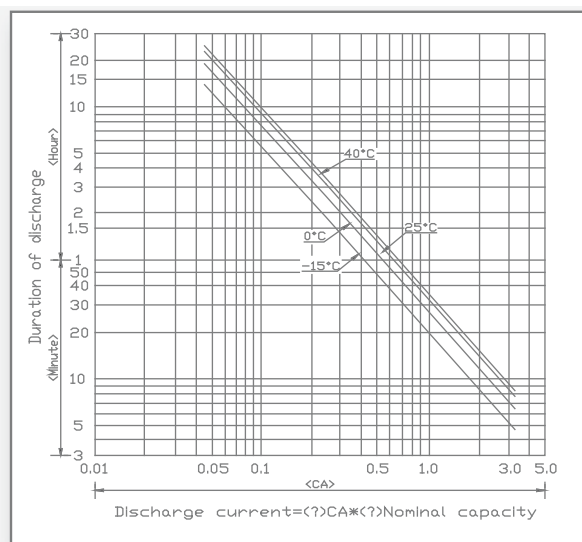
**L:** 5.3in (134.5 mm)  
**W:** 2.64in (67 mm)  
**H:** 2.36in (60 mm)  
**TH:** 2.4in (65 mm)  
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

### Terminals

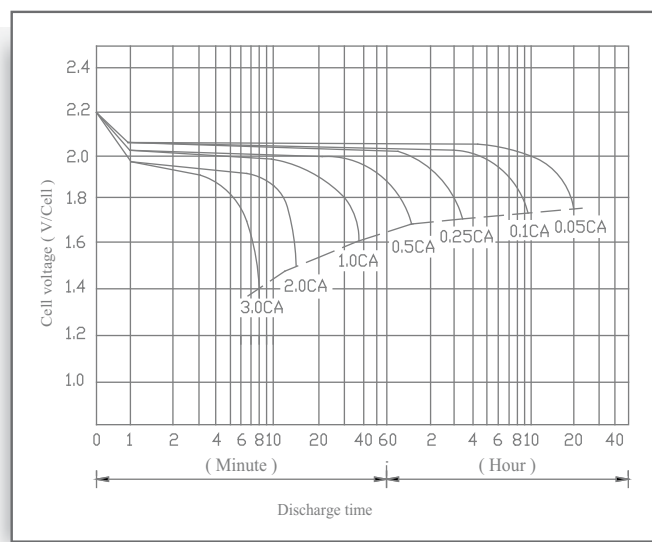


Dimension Type	L	W	w	H	T
F1	6.50	4.75	6.00	5.00	0.80
F2	7.80	6.35	7.80	6.00	0.80

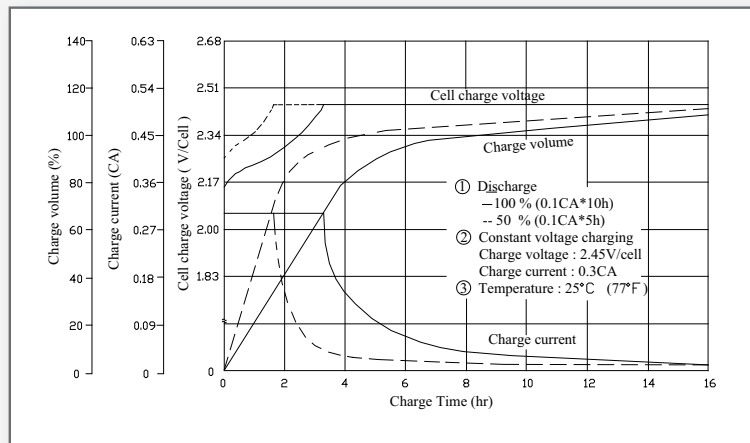
### Discharge Time vs. Discharge Current



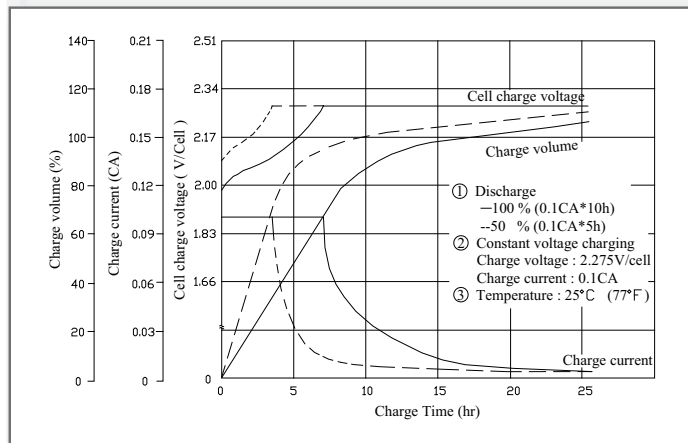
### Discharge Characteristics



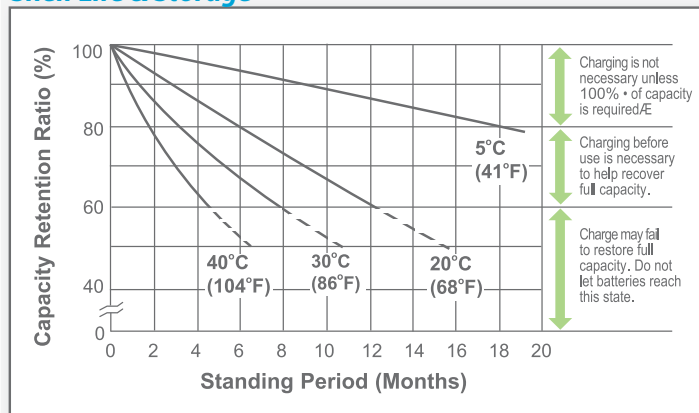
### Battery Charging Characteristics for Cyclic Use



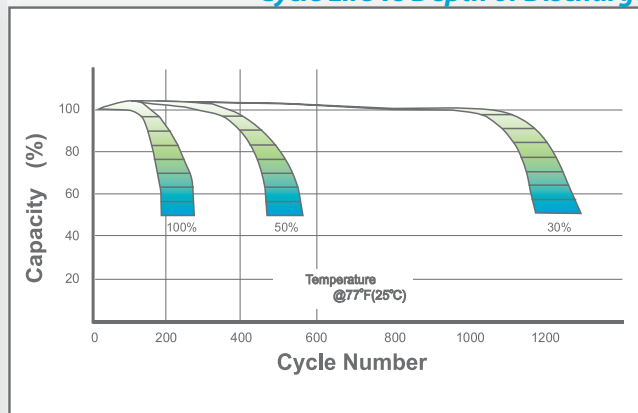
### Battery Charging Characteristics for Standby Use



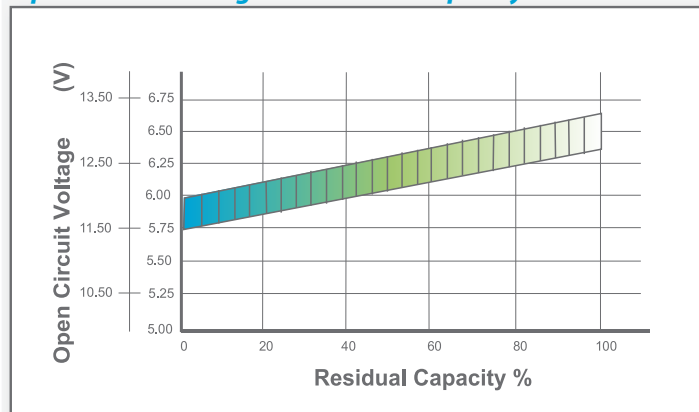
### Shelf Life & Storage



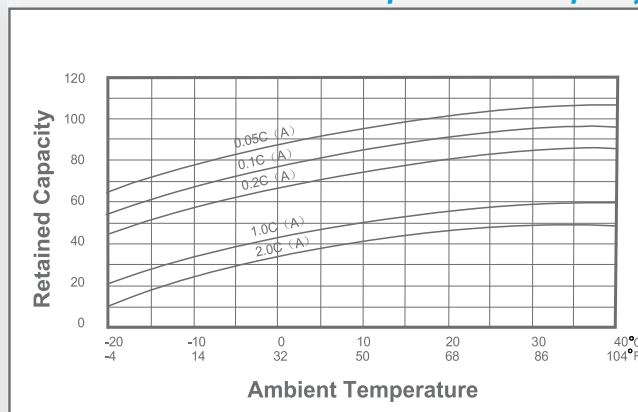
### Cycle Life vs Depth of Discharge



### 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	Discharge Current(A)	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	0.35C	1.75	0.2C>(A)				
Standby	25°C(77°F)	2.325	2.30~2.35		1.70	0.2C<(A)<0.5C				
					1.60	0.5C<(A)<1.0C				
					1.30	(A)>1.0C				

