



## POWERSTRIDE BATTERY

### Specification

<b>Nominal Voltage</b>	6 volts		
<b>Nominal Capacity</b>	77° F (25° C)		
20-hr. (10.0A)	200 Ah		
10-hr. (18.6 A)	186 Ah		
5-hr. (34 A)	170 Ah		
1-hr. (120 A)	120 Ah		
<b>Approximate Weight</b>	62.4 lbs (28.3 kgs)		
<b>Internal Resistance (approx.)</b>	4 mΩ		
<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	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)		



### Charge Method (Constant Voltage)

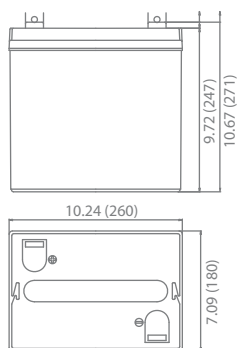
### Cycle Use (Repeating Use)

Initial Current	60 A or smaller
Control Voltage	7.20 - 7.5 V

### Float Use

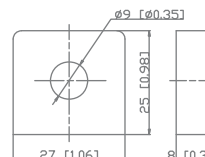
Control Voltage	6.8 - 6.9 V
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### Physical Dimensions: in (mm)

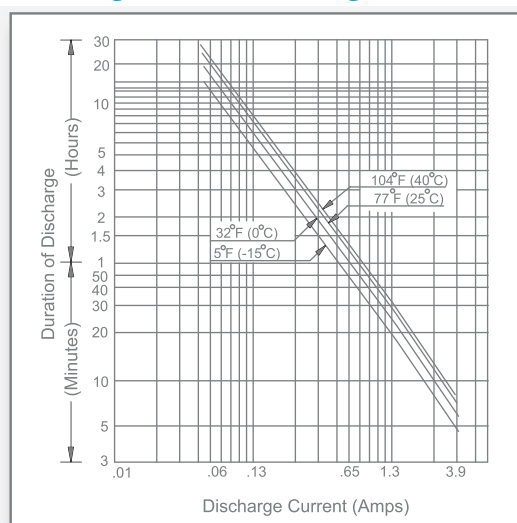


**L:** 10.24in (260 mm)  
**W:** 7.09in (180 mm)  
**H:** 9.72in (247 mm)  
**TH:** 10.67in (271 mm)  
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

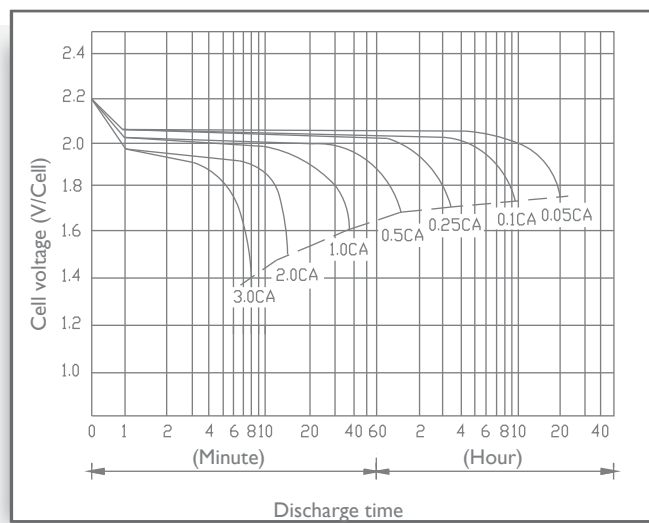
### Terminals



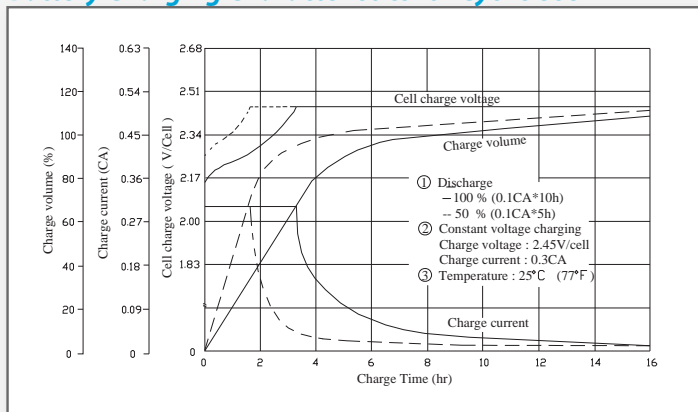
### Discharge Time vs. Discharge Current



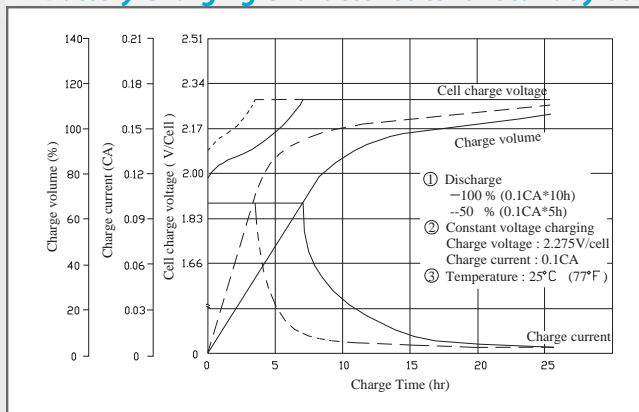
### Discharge Characteristics



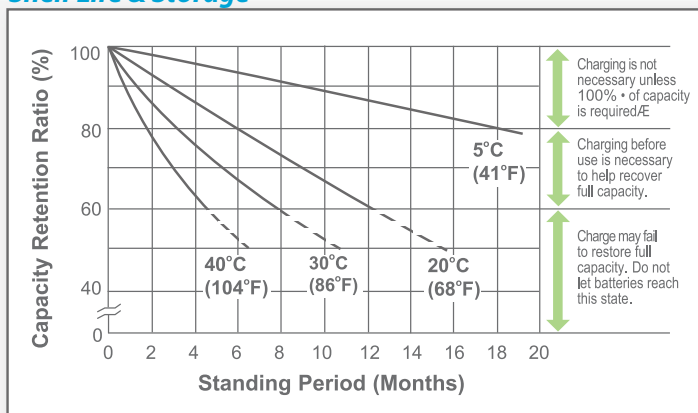
## Battery Charging Characteristics for Cyclic Use



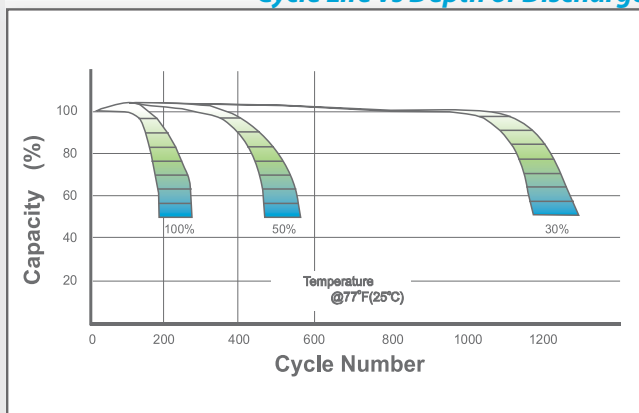
## Battery Charging Characteristics for Standby Use



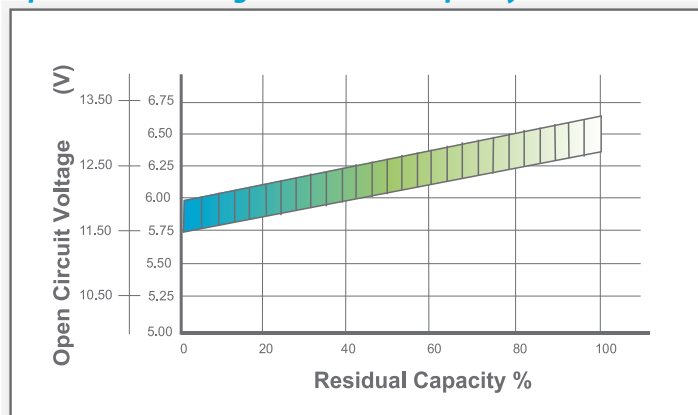
## Shelf Life & Storage



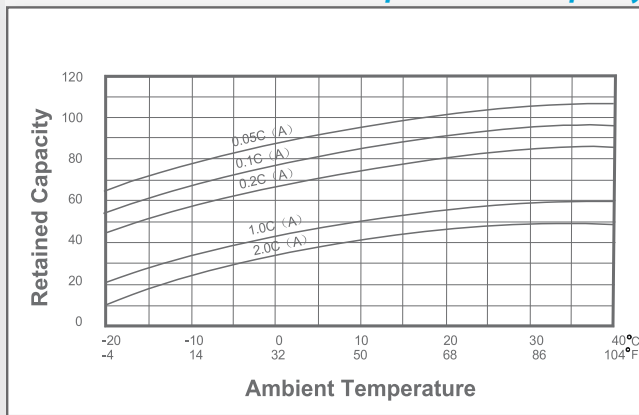
## Cycle Life vs Depth of Discharge



## Open Circuit Voltage vs Residual Capacity



## Effect of Temperature on Capacity



## Charge Current & Final Discharge Voltage

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.35C
Standby	25°C(77°F)	2.325	2.30~2.35	

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)<1.0C	(A)>1.0C