



POWERSTRIDE BATTERY

UPG No. D5745

UB12180

Maintenance-Free

Specification

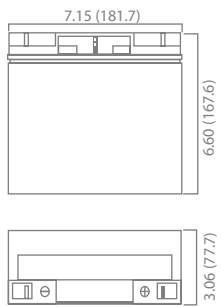
Nominal Voltage	12 volts		
Nominal Capacity	77° F (25° C)		
20-hr. (0.90A)	18 Ah		
10-hr. (1.67A)	16.74 Ah		
5-hr. (3.06A)	15.30 Ah		
1-hr. (10.80A)	10.80 Ah		
Approximate Weight	11.4 lbs (5 kgs)		
Internal Resistance (approx.)	18mΩ		
Shelf Life (% of normal capacity at 77° F (25° C))			
3 Months	6 Months	12 Months	
91%	82%	64%	
Temperature Dependency of Capacity	(20 hour rate)		
104° F	77° F	32° F	5° F
102%	100%	85%	65%
AGM Operational Temperature			
Charge	0°C to 40°C		
Discharge	-15°C to 45°C		
AGM Storage Temperature	-15°C to 40°C		



*Can be used outdoors.

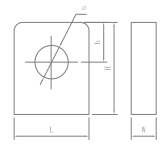
Charge Method (Constant Voltage)		
Cycle Use (Repeating Use)		
Initial Current	5.4 A or smaller	
Control Voltage	14.5 - 14.9 V	
Float Use		
Control Voltage	13.6 - 13.8 V	

Physical Dimensions: in (mm)



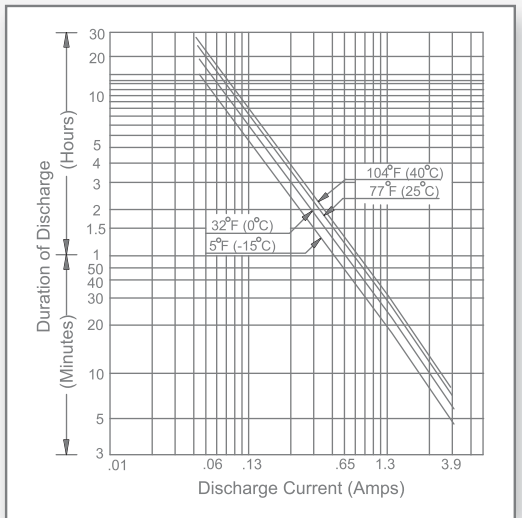
L: 7.15in (181.7 mm)
W: 3.06in (77.7 mm)
H: 6.60in (167.6 mm)
TH: 6.60in (167.6 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals

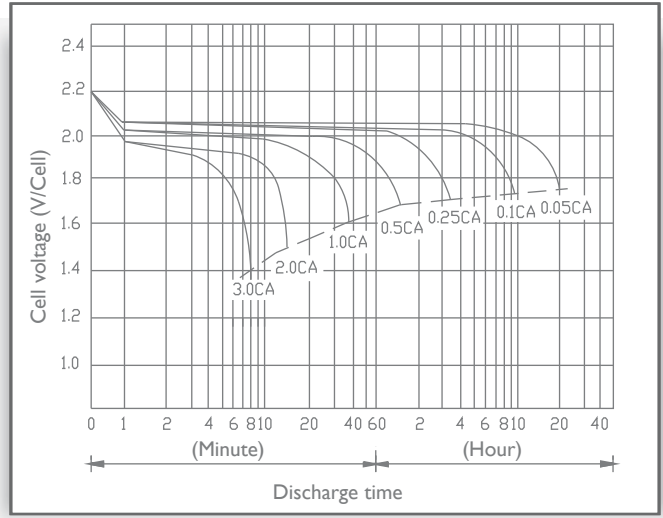


Dimension Type	L	W	H	h	ø
T4	12.0	3.0	12.5	5.0	5.5

Discharge Time vs. Discharge Current



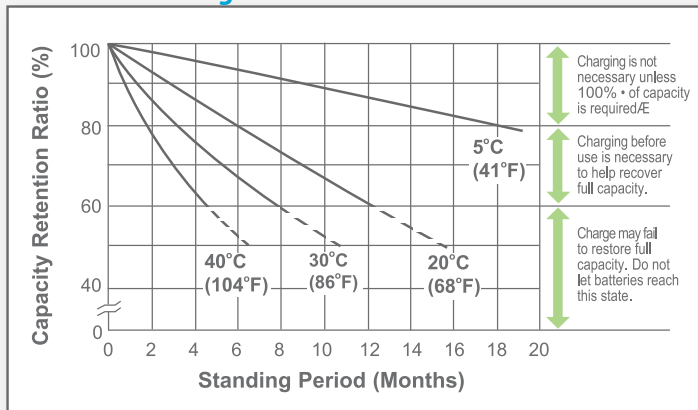
Discharge Characteristics



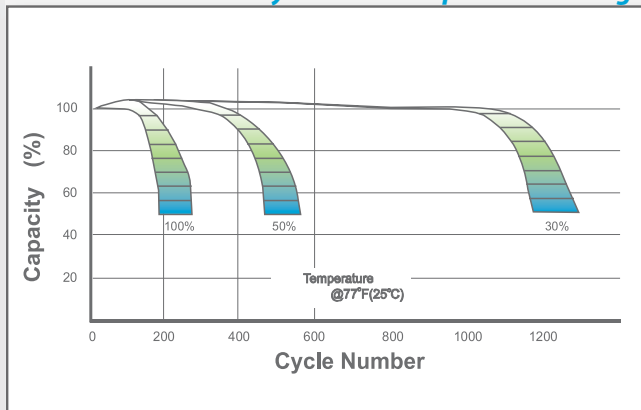
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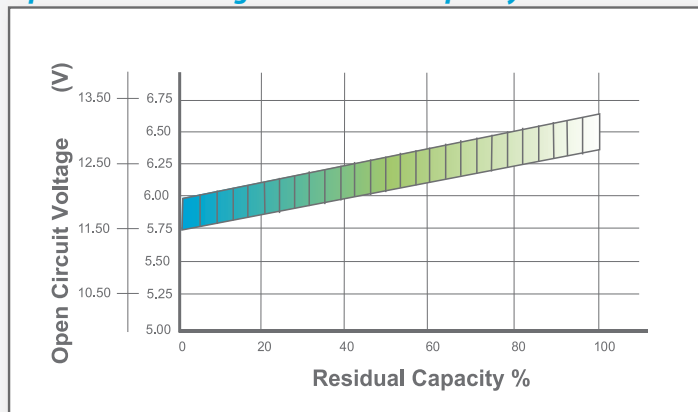
Shelf Life & Storage



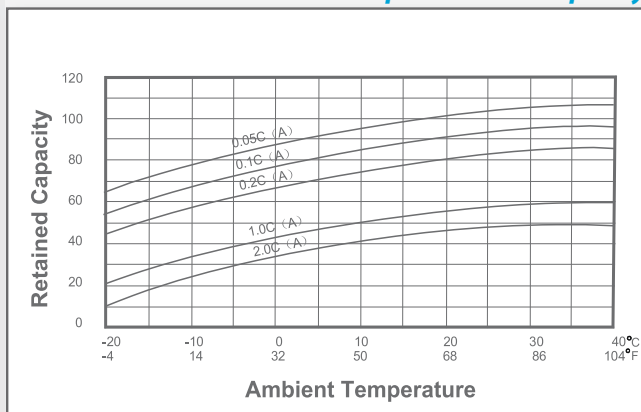
Cycle Life vs Depth of Discharge



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)	2.47	2.43~2.47	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						

