

UB1290

Maintenance-Free



POWERSTRIDE BATTERY

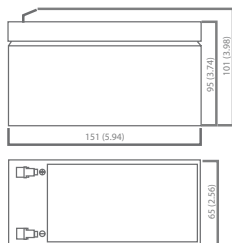
Specification

Nominal Voltage	12 volts		
Nominal Capacity	77° F (25° C)		
20-hr.	9 Ah		
10-hr.	8.3 Ah		
5-hr.	7.69 Ah		
1-hr.	5.62 Ah		
15 min	4.1 Ah		
Approximate Weight	5.17 lbs (2.35 kgs)		
Internal Resistance (approx.)	19mΩ		
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%



Charge Method (Constant Voltage)		
Cycle Use (Repeating Use)		
Initial Current	2.7 A or smaller	
Control Voltage	14.5 - 14.9 V	
Float Use		
Control Voltage	13.6 - 13.8 V	

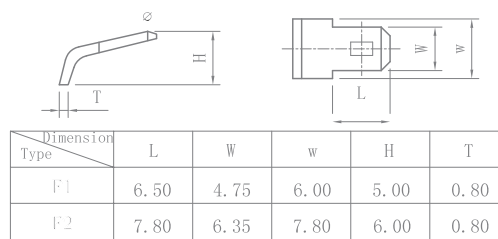
Physical Dimensions: in (mm)



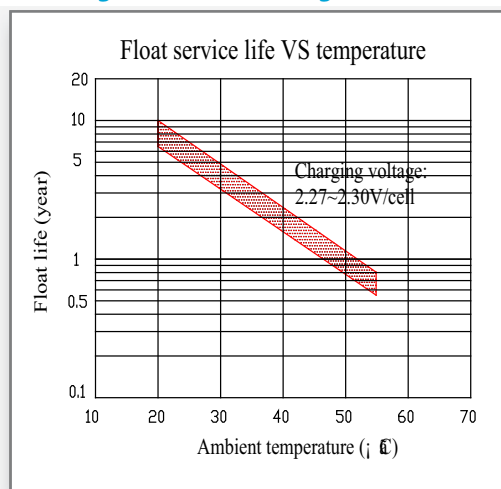
L: 5.94in (151 mm)
W: 2.56in (65 mm)
H: 3.74in (95 mm)
TH: 3.98in (101 mm)

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

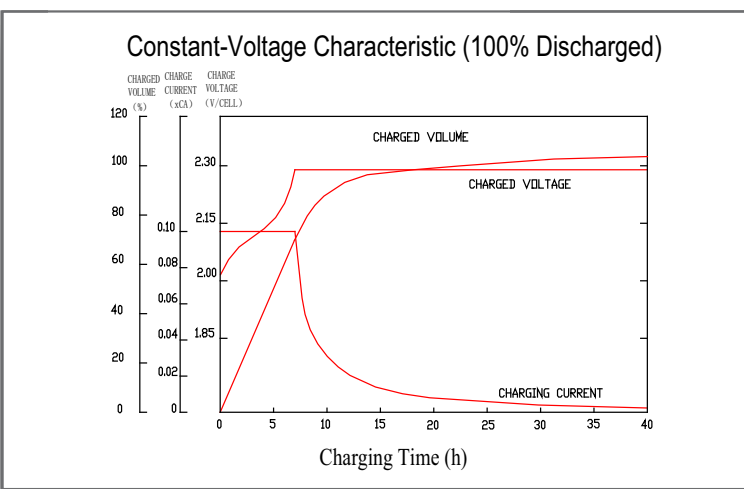
Terminals



Discharge Time vs. Discharge Current



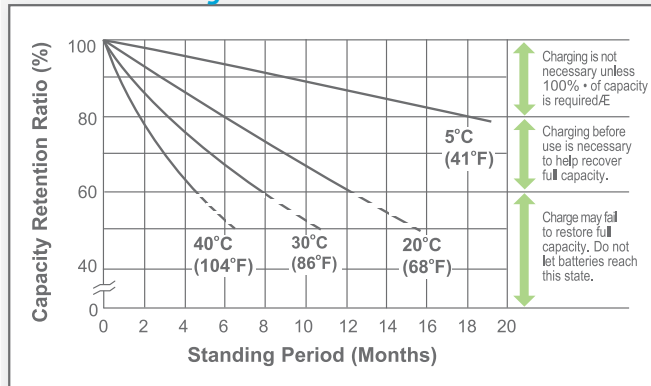
Discharge Characteristics



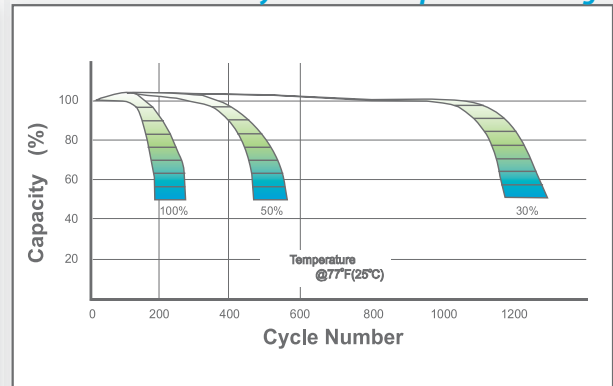
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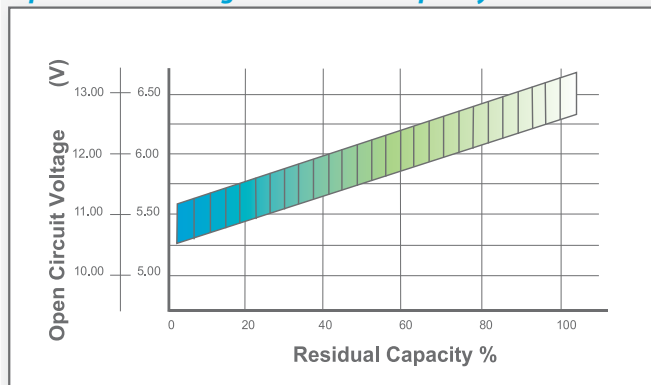
Shelf Life & Storage



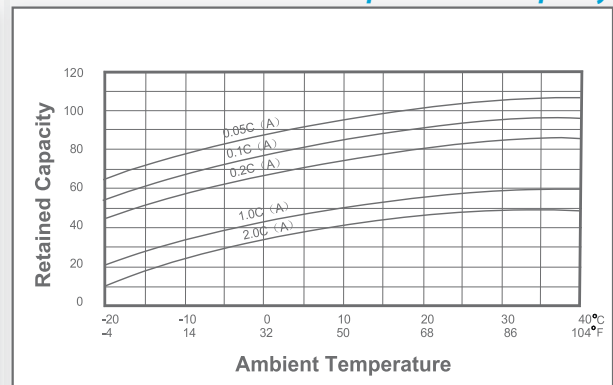
Cycle Life vs Depth of Discharge



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	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	Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C	
Standby	25°C (77°F)	2.325	2.30~2.35							

