

UB6120

Maintenance-Free



Specification

Nominal Voltage	6 volts		
Nominal Capacity	77° F (25° C)		
20-hr. (0.6A)	12.00 Ah		
10-hr. (1.12A)	11.16 Ah		
5-hr. (2.04A)	10.2 Ah		
1-hr. (7.2A)	7.20 Ah		
Approximate Weight	4.18 lbs (1.89kgs)		
Internal Resistance (approx.)	12mΩ		
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	-20°C to 45°C		
AGM Storage Temperature	-20°C to 45°C		



Charge Method (Constant Voltage)

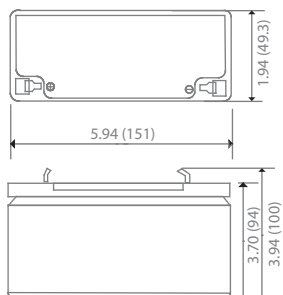
Cycle Use (Repeating Use)

Initial Current	3.6 A or smaller
Control Voltage	7.20-7.45 V

Float Use

Control Voltage	6.75-6.90 V
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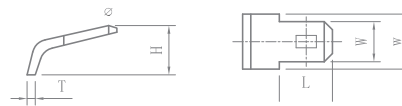
Physical Dimensions: in (mm)



L: 5.94in (151 mm)
W: 1.94in (49.3 mm)
H: 3.70in (94 mm)
TH: 3.94in (100 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

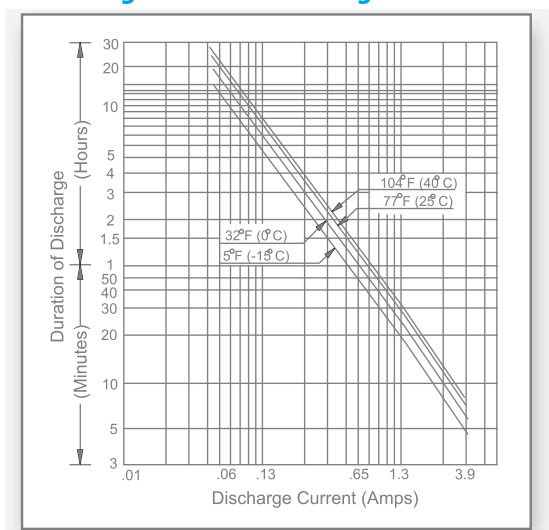
Terminals

F Series (Faston Tabs)

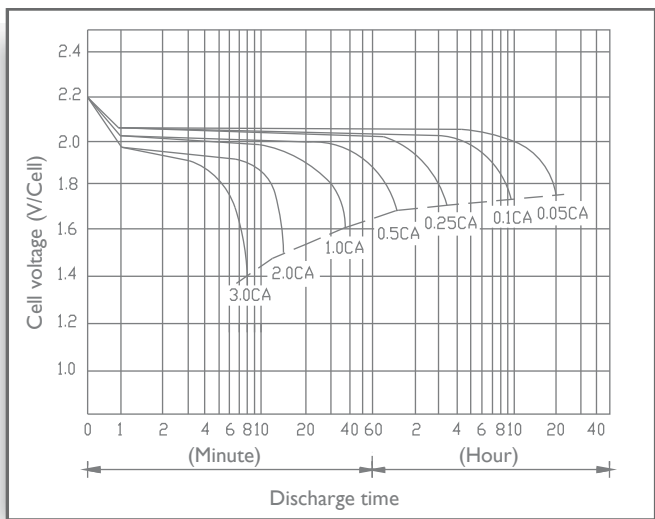


Dimension Type	L	W	w	H	T
F1	6.50	4.75	6.00	5.00	0.80

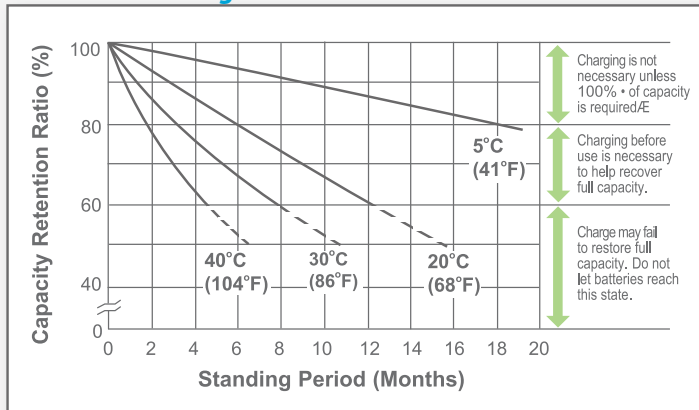
Discharge Time vs. Discharge Current



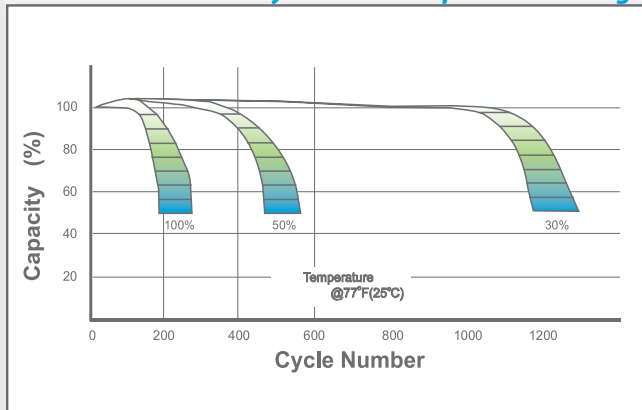
Discharge Characteristics



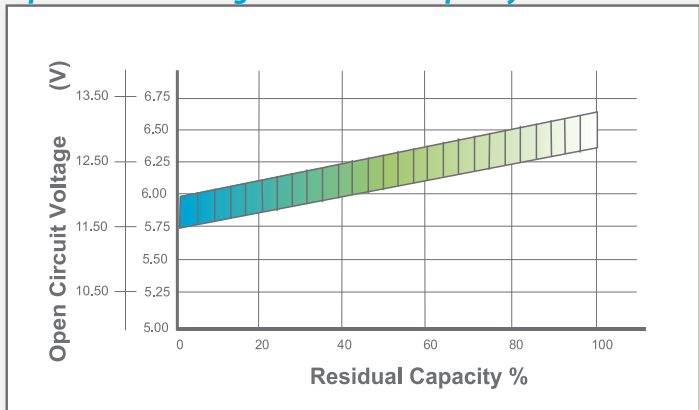
Shelf Life & Storage



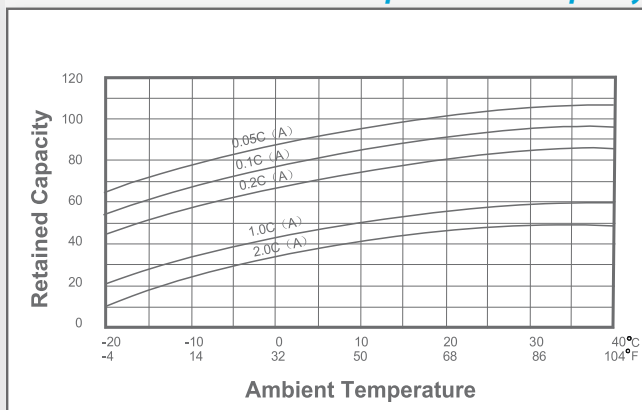
Cycle Life vs Depth of Discharge



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						

