

Sealed Lead Acid Battery

Absorbant Glass Mat (AGM) technology for superior performance. Valve regulated, spill proof construction allows safe operation in any position. Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified. U.L. recognized under file number MH 20567.



BD6120

SPECIFICATION CHARACTERISTICS

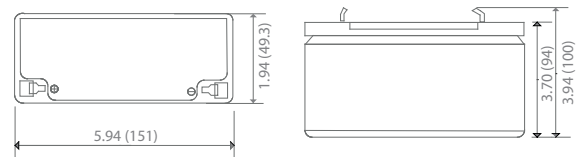
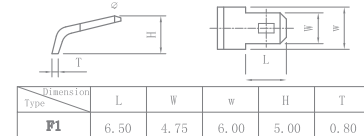
Nominal Voltage	6 volts		
Nominal Capacity	77° F (25° C)		
20-hr. (0.60A)	12.0 Ah		
10-hr. (1.12A)	11.2 Ah		
5-hr. (2.04A)	10.2 Ah		
1-hr. (7.20A)	7.20 Ah		
Approximate Weight	4.18 lbs (1.89kgs)		
Internal Resistance (approx.)	12mΩ		
Shelf Life (% of normal capacity at 68° F (20° C))			
3 Months	6 Months	12 Months	
91%	82%	64%	
Temperature Dependency of Capacity	(20 hour rate)		
104° F (40° C)	77° F (25° C)	32° F (0° C)	5° F (-15° C)
102%	100%	85%	65%
AGM Operational Temperature			
Charge	32° F to 104° F (0° C to 40° C)		
Discharge	5° F to 113° F (-15° C to 45° C)		
AGM Storage Temperature	5° F to 104° F (-15° C to 40° C)		
Charge Method (Constant Voltage)			
Cycle Use (Repeating Use)			
Initial Current	3.6 A or smaller		
Control Voltage	7.3-7.4 V		
Float Use			
Control Voltage	6.8-6.9 V		

DIMENSIONS

Total Height	3.94 inches (100mm)
Height	3.70 inches (94mm)
Length	5.94 inches (151mm)
Width	1.94 inches (49.3mm)
Weight	Approx. 4.18 lbs (1.89Kg)

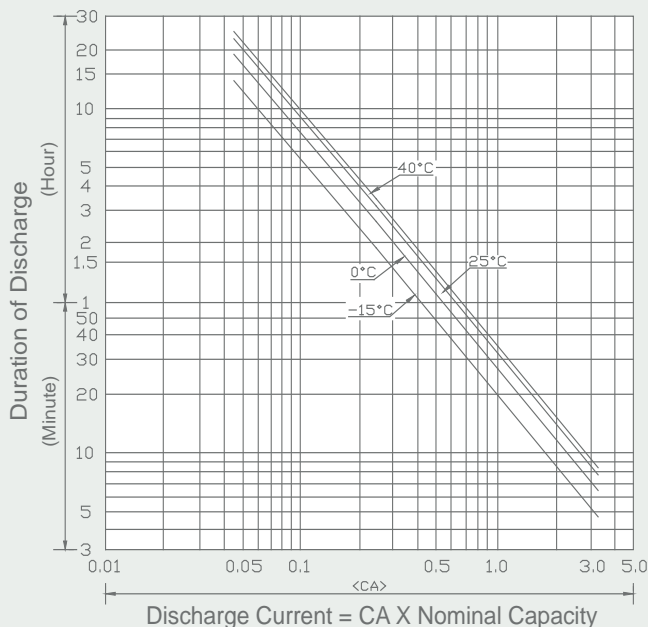
Terminals

F Series (Faston Tabs)

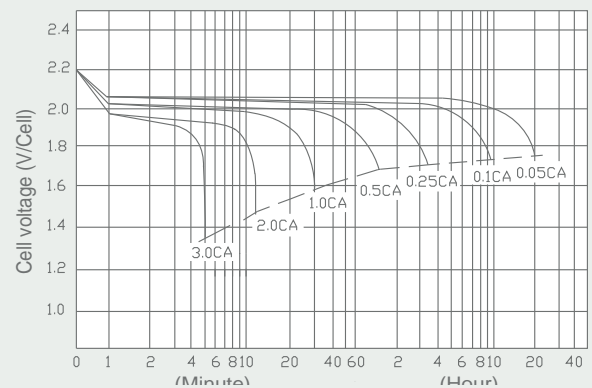


Note: Specification subject to change without notice

DISCHARGING CURRENT & DURATION TIME



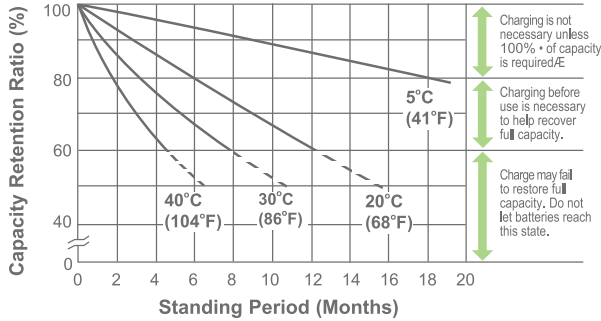
DISCHARGE CURVES



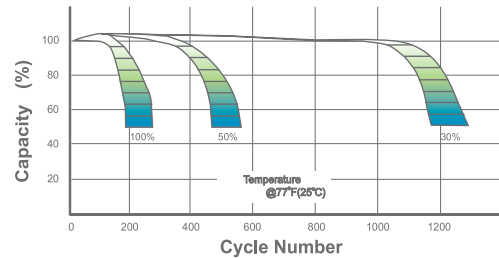
The above data are average values, and can be obtained within 3 charge/ discharge cycles. These are not minimum values.

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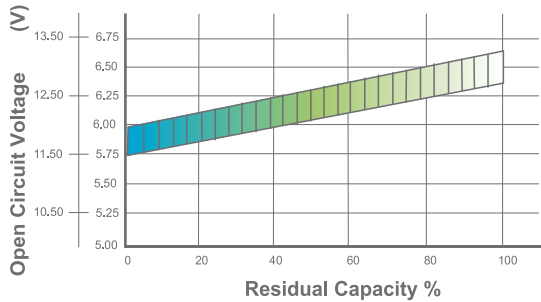
SHELF LIFE & STORAGE



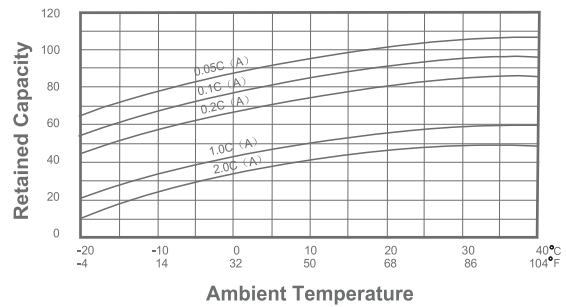
CYCLE LIFE VS DEPTH OF DISCHARGE



OPEN CIRCUIT VOLTAGE VS RESIDUAL CAPACITY



EFFECT OF TEMPERATURE ON CAPACITY



CHARGE CURRENT & FINAL DISCHARGE VOLTAGE

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C (77°F)	2.45	2.43-2.47	0.30C
Standby	25°C (77°F)	2.28	2.27-2.30	

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