

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.

UB24000

Maintenance-Free

Specification

Nominal Voltage	2 Volts		
Nominal Capacity	77°F (25°C)		
20-hr. (20.0 A)	400 Ah		
10-hr. (37.2 A)	372 Ah		
5-hr. (68.0 A)	340 Ah		
1-hr. (240 A)	264 Ah		
Approximate Weight	55.1 lbs (25.5 kgs)		
Internal Resistance (approx.)	0.65 mΩ		
Shelf Life (% of normal capacity at 68° F (20° C))			
3 Months	6 Months	12 Months	
91%	83%	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)		

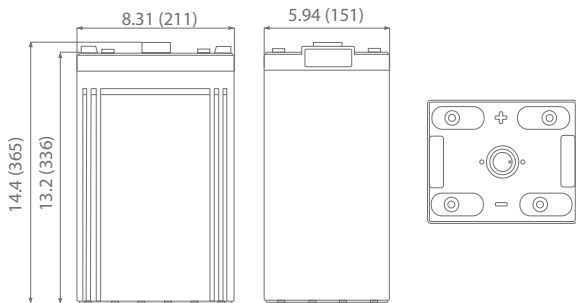


Charge Method (Constant Voltage)

Cycle Use (Repeating Use)

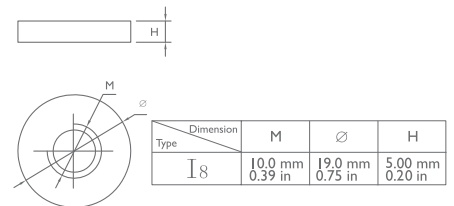
Initial Current	120 A or smaller
Control Voltage	2.45 - 2.50 V
Float Use	
Control Voltage	2.28 - 2.30 V

Physical Dimensions: in (mm)



L: 8.31 in (211 mm)
W: 5.94 in (151 mm)
H: 13.2 in (336 mm)
TH: 14.4 in (365 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals



Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

F.V/Time	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR	24HR
1.60	520	400	256	156	115	73	53	41	21.3	18.5
1.65	484	372	238	156	114	73	53	41	21.3	18.5
1.70	499	384	246	155	114	72	52	40	21.1	18.3
1.75	484	372	238	154	113	72	52	40	21.1	18.3
1.80	474	365	233	151	111	71	51	40	21.0	18.2

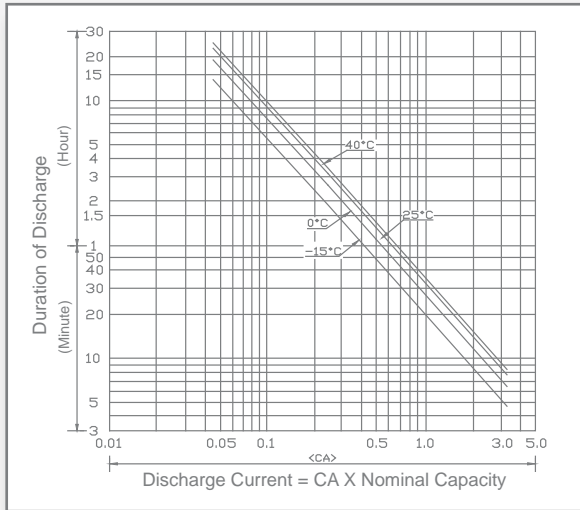
Constant Power Discharge Characteristics Unit:W (25°C, 77°F)

F.V/Time	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR	24HR
1.60	936	740	490	287	227	145	105	81	43	37.0
1.65	870	688	456	286	226	145	105	81	43	37.0
1.70	899	710	471	285	225	144	104	80	42	36.7
1.75	870	688	456	283	224	143	104	80	42	36.6
1.80	854	675	447	278	219	140	102	80	42	36.5

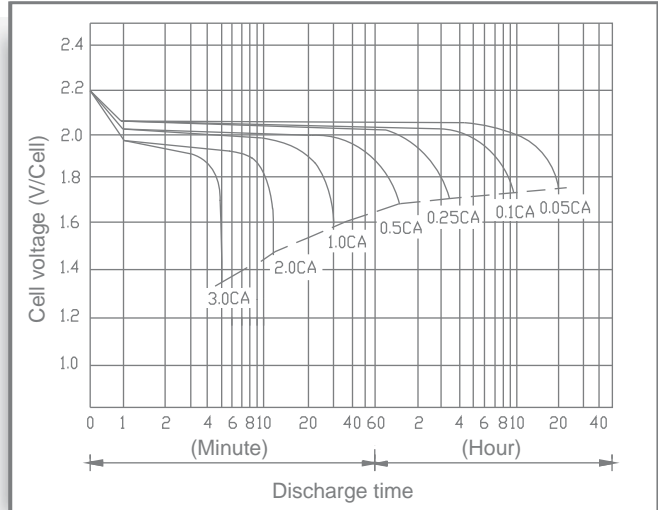
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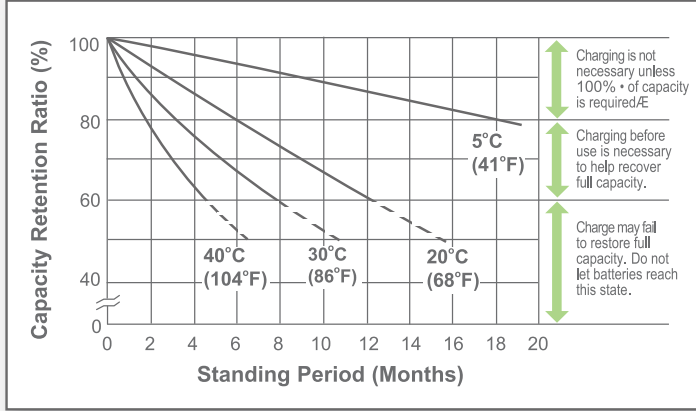
Discharge Time vs. Discharge Current



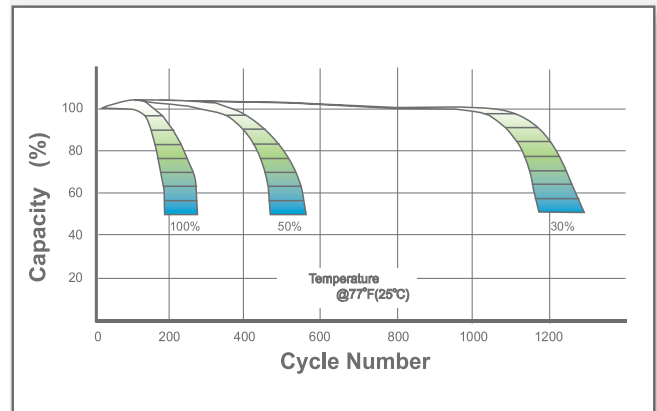
Discharge Characteristics



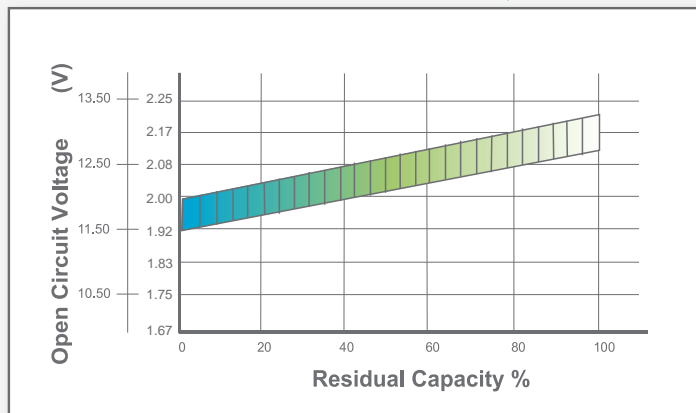
Shelf Life & Storage



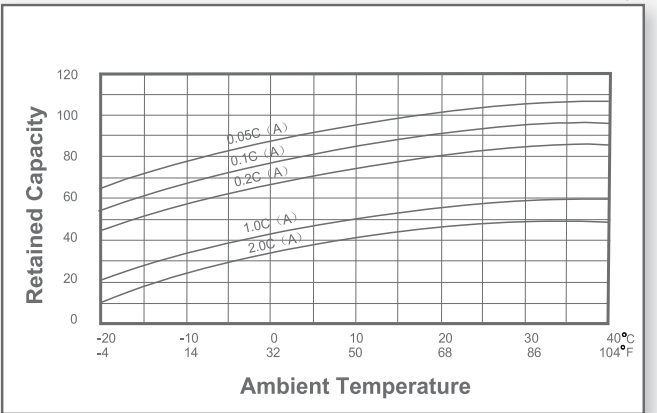
Cycle Life vs Depth of Discharge



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	Discharge Current(A)
	Temperature	Set Point	Allowable Range			
Cycle Use	25°C(77°F)	2.45	2.40-2.47	0.30C	1.75	1.70
Standby	25°C(77°F)	2.30	2.27-2.30		1.60	1.30



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