

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.

Specification

Nominal Voltage	2 Volts	
Nominal Capacity	77°F (25°C)	
20-hr. (75.0 A)	1500 Ah	
10-hr. (140 A)	1395 Ah	
5-hr. (255 A)	1275 Ah	
1-hr. (900 A)	900 Ah	
Approximate Weight	127 lbs (57.6 kgs)	
Internal Resistance (approx.)	1.0 m Ω	
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)
102%	100%	85%
5° F (-15°C)		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)	



Due to continuous improvements to our products, product may vary slightly from depiction.

Charge Method (Constant Voltage)

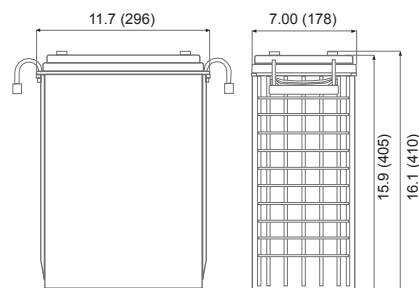
Cycle Use (Repeating Use)

Initial Current	450 A
Control Voltage	2.45 V

Float Use

Control Voltage	2.28 V
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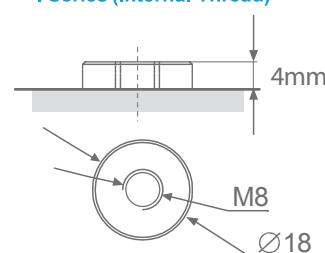
Physical Dimensions: in (mm)



L: 11.7 in (296 mm)
W: 7.00 in (178 mm)
H: 15.9 in (405 mm)
TH: 16.1 in (410 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals

I Series (Internal Thread)

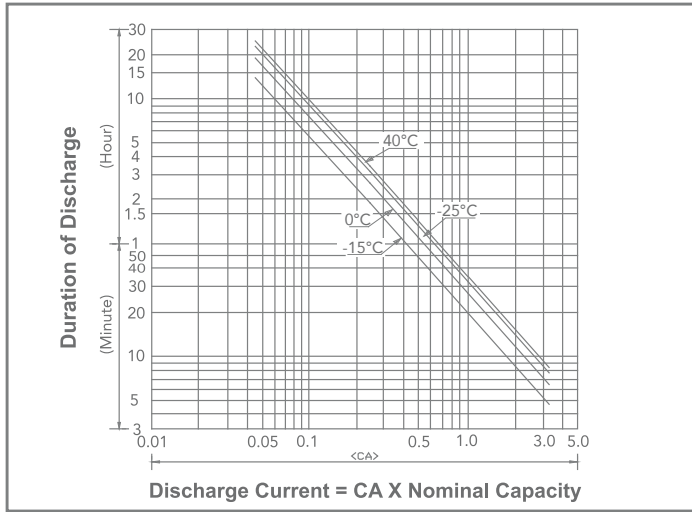
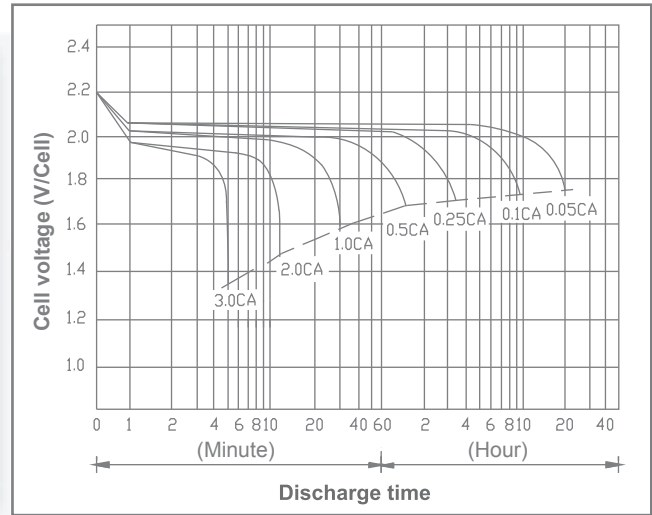
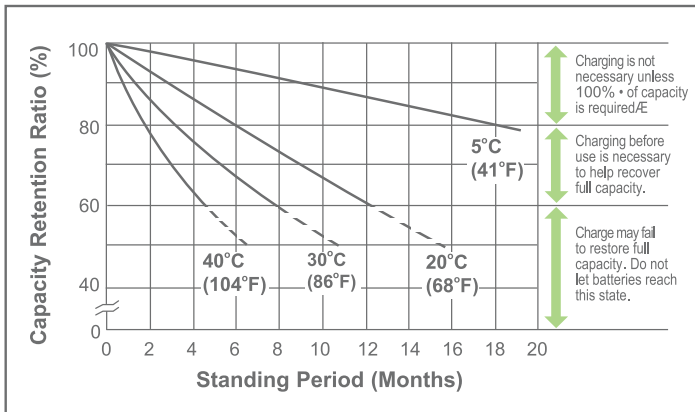
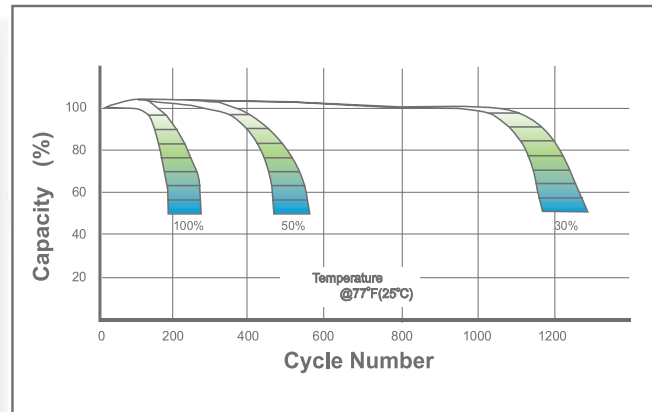
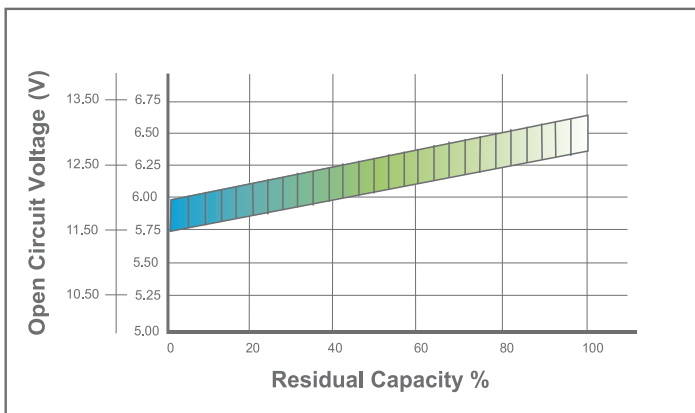
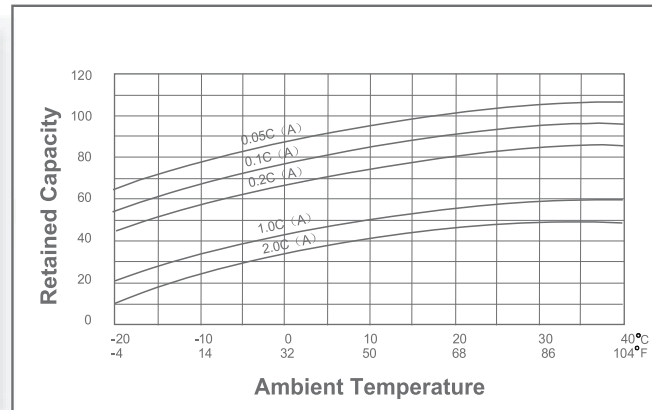


Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

F. V/Time	1hr	3hr	5hr	8hr	10hr	20hr
1.60V	652.6	284.6	192.1	132.0	109.45	58.36
1.65V	641.1	281.8	190.9	131.7	109.25	58.19
1.7V	635.4	278.9	189.8	131.4	109.11	58.02
1.75V	615.3	276.0	186.9	130.2	108.50	57.50
1.8V	589.4	264.5	181.7	127.9	106.78	56.64
1.85V	546.3	244.4	168.8	121.9	102.58	54.74

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

F. V/Time	1hr	3hr	5hr	8hr	10hr	20hr
1.60V	1109.8	534.8	374.6	257.9	215.40	114.86
1.65V	1095.4	529.0	373.8	256.7	214.94	114.31
1.7V	1083.9	523.3	372.3	255.9	214.42	113.91
1.75V	1058.0	514.6	367.7	253.9	212.61	112.87
1.8V	1029.3	494.5	357.7	249.6	209.30	111.44
1.85V	971.8	460.0	335.8	240.9	202.95	108.30

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
	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