

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			12 volts
Nominal Capacity			77° F (25° C)
20-hr. (3.75A)			75 Ah
10-hr. (6.98A)			69.75 Ah
5-hr. (12.75A)			63.75 Ah
1-hr. (45.00A)			45.00 Ah
Approximate Weight			50.7 lbs (23 kgs)
Internal Resistance (approx.)			6 mΩ
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%



*Can be used outdoors.

Charge Method (Constant Voltage)

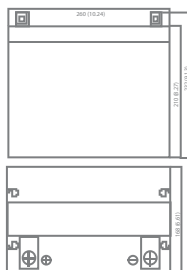
Cycle Use (Repeating Use)

Initial Current	26.25 A or smaller
Control Voltage	14.5 - 14.9 V

Float Use

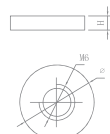
Control Voltage	13.6 - 13.8 V
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Physical Dimensions: in (mm)



L: 10.24in (260.1 mm)
W: 6.61in (167.9 mm)
H: 8.27in (210.1 mm)
TH: 9.13in (231.9 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 Terminal)

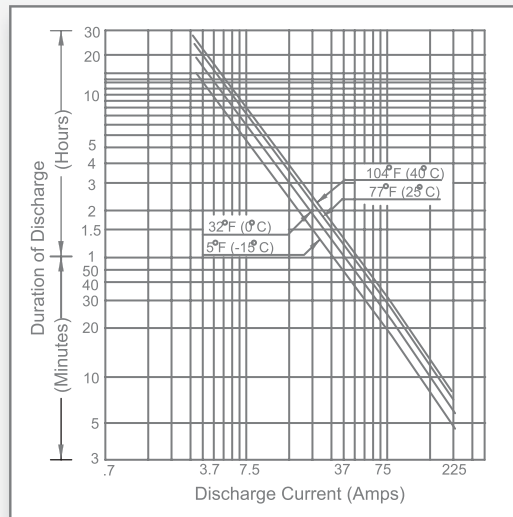
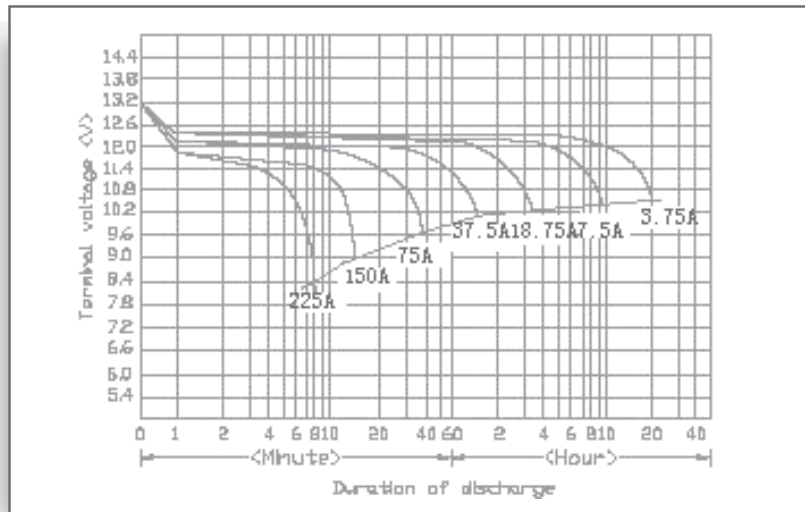
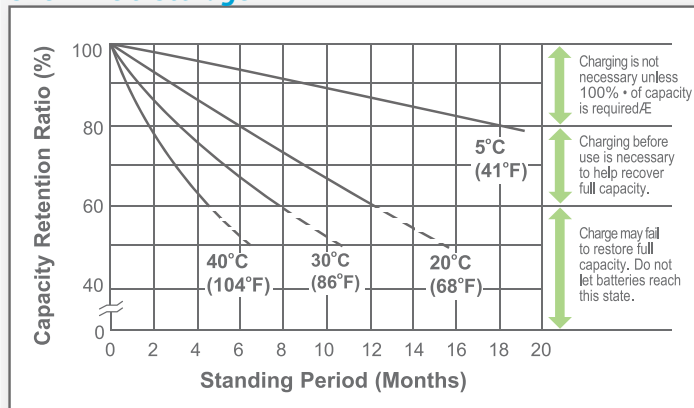
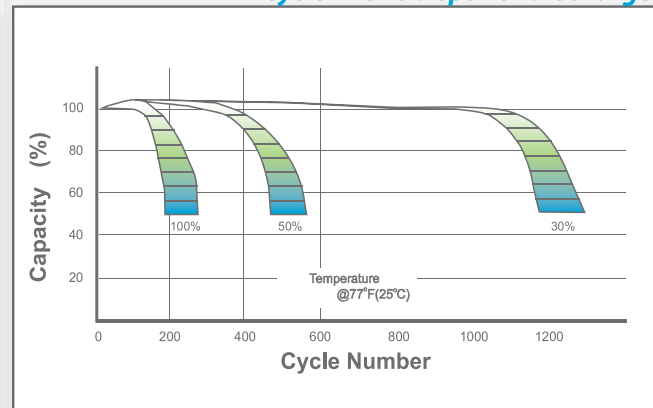
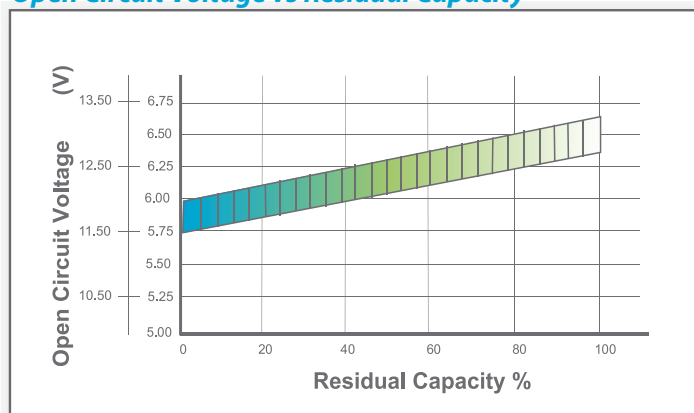
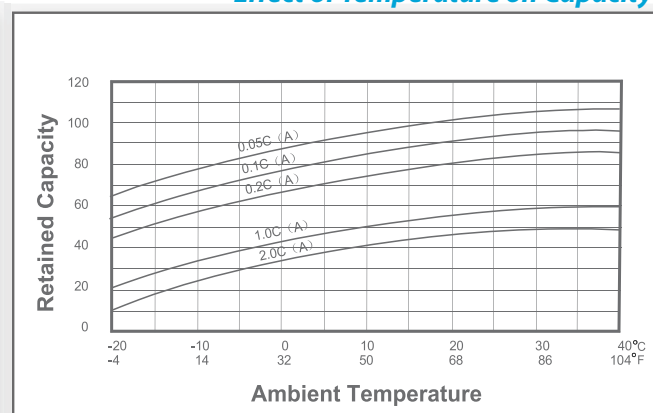
Type	Dimension	Ø	H
I4		15	4

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

Current (A)	9.60V	10.20V	10.50V	10.80V	11.10V	11.40V	11.70V	12.00V	12.30V	12.60V	12.90V	13.20V
259.0	259.0	228.0	220.0	211.0	203.0	189.0	172.0	164.0	155.0	147.0	133.0	119.0
189.0	189.0	172.0	164.0	155.0	147.0	133.0	119.0	105.0	98.0	70.0	42.0	25.0
133.0	133.0	119.0	112.0	105.0	98.0	81.0	76.3	74.0	72.0	36.0	21.7	18.0
81.0	81.0	76.3	74.0	72.0	70.0	42.0	39.5	38.0	37.0	16.1	12.8	14.0
42.0	42.0	39.5	38.0	37.0	36.0	25.0	23.4	22.8	22.3	16.7	13.2	11.6
25.0	25.0	23.4	22.8	22.3	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0
18.0	18.0	17.5	17.1	16.7	16.1	15.0	14.0	13.7	13.4	12.8	12.0	11.6
14.0	14.0	13.7	13.4	13.2	12.8	12.0	11.6	11.3	11.2	10.6	10.0	11.6
11.6	11.6	11.3	11.2	10.9	10.6	10.0	9.6	9.3	9.1	8.8	8.5	8.1
8.1	8.1	8.0	7.9	7.7	7.5	7.4	7.2	7.0	7.0	6.7	6.4	7.4
7.4	7.4	7.2	7.0	7.0	6.7	6.4	6.2	6.0	6.0	5.8	5.6	5.4
4.0	4.0	3.9	3.8	3.8	3.6	3.5	3.4	3.3	3.2	3.1	3.0	4.0

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

Power (W)	2750.0	2566.0	2493.0	2461.0	2416.0	2207.0	1911.0	1857.0	1809.0	1749.0	1412.0	1321.0	1222.0	1166.0	855.0	486.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0
2750.0	2750.0	2566.0	2493.0	2461.0	2416.0	2207.0	1911.0	1857.0	1809.0	1749.0	1412.0	1321.0	1222.0	1166.0	855.0	486.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0
2566.0	2566.0	2207.0	1911.0	1857.0	1809.0	1749.0	1412.0	1321.0	1222.0	1166.0	855.0	486.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7
2207.0	2207.0	1809.0	1749.0	1412.0	1321.0	1222.0	1166.0	855.0	486.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1
1809.0	1809.0	1749.0	1412.0	1321.0	1222.0	1166.0	855.0	486.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7
1749.0	1749.0	1412.0	1321.0	1222.0	1166.0	855.0	486.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1
1412.0	1412.0	1321.0	1222.0	1166.0	855.0	486.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0
1321.0	1321.0	1222.0	1166.0	855.0	486.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0
1222.0	1222.0	1166.0	855.0	486.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0	13.7
1166.0	1166.0	855.0	486.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0	13.7	13.4
855.0	855.0	486.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0	13.7	13.4	13.2
486.0	486.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0	13.7	13.4	13.2	12.8
284.0	284.0	208.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0	13.7	13.4	13.2	12.8	12.0
208.0	208.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0	13.7	13.4	13.2	12.8	12.0	11.6
162.0	162.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0	13.7	13.4	13.2	12.8	12.0	11.6	11.3
134.0	134.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0	13.7	13.4	13.2	12.8	12.0	11.6	11.3	11.2
94.0	94.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0	13.7	13.4	13.2	12.8	12.0	11.6	11.3	11.2	10.9
85.0	85.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0	13.7	13.4	13.2	12.8	12.0	11.6	11.3	11.2	10.9	10.6
46.0	46.0	25.0	23.4	22.8	21.7	18.0	17.5	17.1	16.7	16.1	15.0	14.0	13.7	13.4	13.2	12.8	12.0	11.6	11.3	11.2	10.9	10.6	10.3

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	0.35C	Discharge	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		Current(A)				



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