

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	6 volts	
Nominal Capacity	77° F (25° C)	
20-hr. (20.0A)	400 Ah	
10-hr. (37.2A)	372 Ah	
5-hr. (68.0A)	340 Ah	
1-hr. (240A)	240 Ah	
Approximate Weight	126 lbs 57.0 kgs)	
Internal Resistance (approx.)	1.8mΩ	
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)
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)	
Characteristics	ABS, UL 94V-0	



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

Charge Method (Constant Voltage)

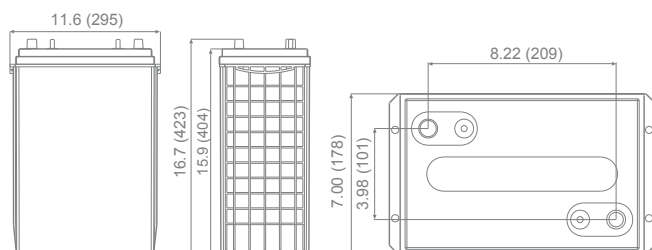
Cycle Use (Repeating Use)

Initial Current	120A or smaller
Control Voltage	7.3 - 7.4 V

Float Use

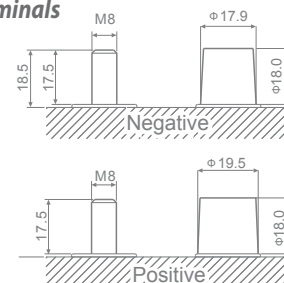
Control Voltage	6.8 - 6.9 V
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Physical Dimensions: in (mm)



L: 11.6 in (295 mm)
W: 7.00 in (178 mm)
H: 15.9 in (404 mm)
TH: 16.7 in (423 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	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	424.5	246.8	145.8	112.9	88.8	75.5	50.8	42.2	22.1
1.65V	407.5	238.4	141.1	109.4	86.4	73.6	50.2	41.7	21.7
1.70V	389.5	230.6	136.5	106.5	84.0	71.7	49.4	41.1	21.5
1.75V	372.3	222.2	131.7	103.3	81.9	69.9	48.7	40.5	21.2
1.80V	355.8	213.7	127.0	100.1	79.5	68.1	47.9	40.0	21.0
1.85V	306.5	191.7	116.3	92.5	73.9	63.5	45.0	37.7	19.9

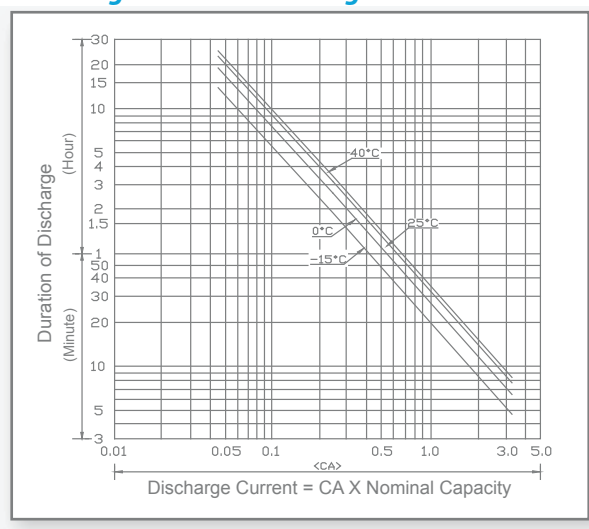
Constant Power Discharge Characteristics Unit: W (25°C, 77°F)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	770.9	463.9	276.2	215.7	170.4	145.6	99.1	83.0	43.5
1.65V	747.9	450.5	268.7	209.9	166.4	142.4	98.2	82.1	42.8
1.70V	722.0	438.6	261.3	205.1	162.5	139.1	96.9	80.9	42.4
1.75V	697.2	425.1	253.4	199.8	158.9	136.1	95.8	80.0	41.9
1.80V	673.1	411.2	245.5	194.4	154.9	133.1	94.4	79.0	41.5
1.85V	585.5	371.1	226.2	180.5	144.6	124.5	88.8	74.5	39.5

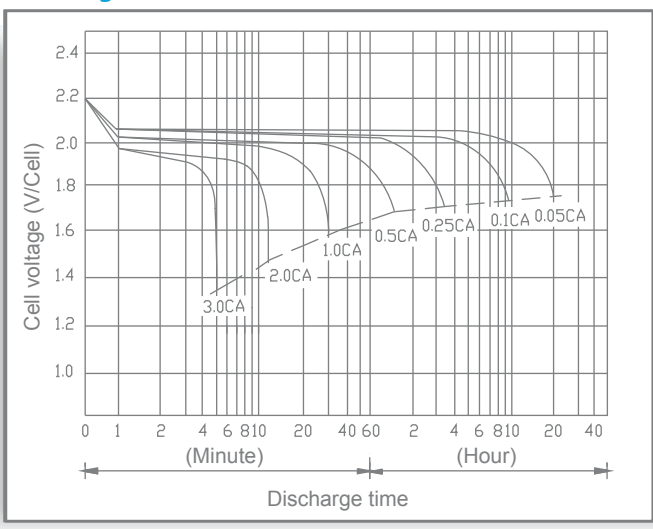
UB64000

Maintenance-Free

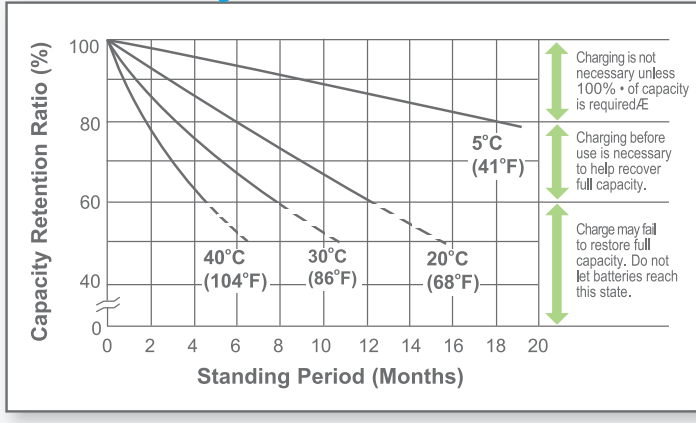
Discharge Time vs. Discharge Current



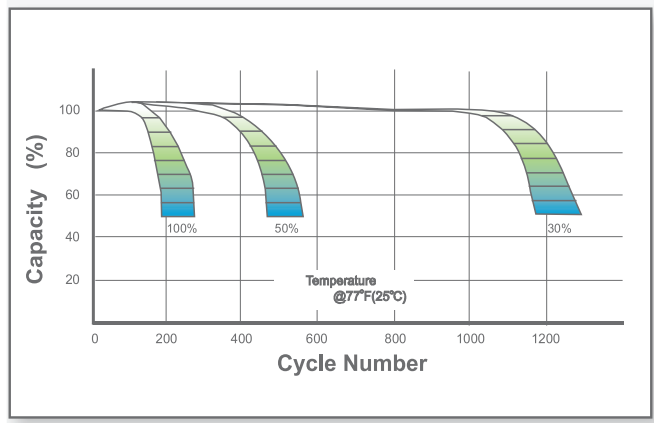
Discharge Characteristics



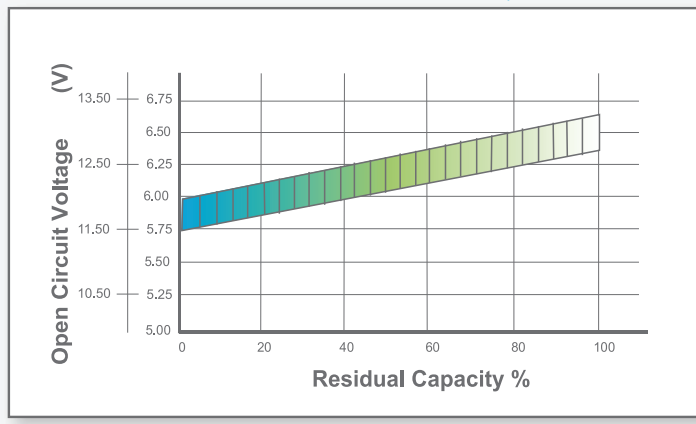
Shelf Life & Storage



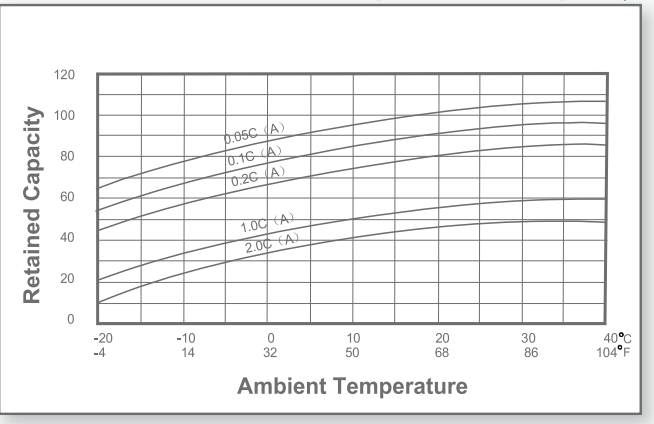
Cycle Life vs Depth of Discharge



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℃(77ℱ)	2.45	2.40~2.47	0.30C
Standby	25℃(77ℱ)	2.30	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



UPG is ISO 9001 Certified

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