Sealed Lead-Acid Battery

UPG No. D5735

UB685

Maintenance-Free

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	
20-hr. (0.43A)	8.50 Ah
10-hr. (0.79A)	7.91 Ah
5-hr. (1.45A)	7.23 Ah
1-hr. (5.10A)	5.10 Ah
Approximate Weight	3.3 lbs (1.5 kgs)
Internal Resistance (approx.)	12mΩ
Max Charge Current (A)	2.5 A
Case	ABS Plastic

Shelf Life (% of normal capacity at 68º F (20º C)

3 Months	6 Months	12 Months
91%	83%	64%

Temperature Dependancy 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%

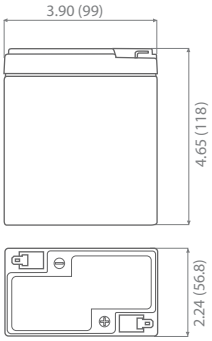
AGM Operational Temperature	
Charge	32˚F to 104˚F (0˚C to 40˚C)
Discharge	5˚F to 113˚F (-15˚C to 45˚C)
AGM Storage Temperature	5˚F to 104˚F (-15˚C to 40˚C)



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

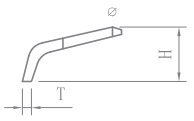
Charge Method (Constant Voltage)	
Cycle Use (Repeating Use)	
Initial Current	2.6 A or smaller
Control Voltage	7.3 - 7.4 V
Float Use	
Control Voltage	6.8 - 6.9 V

Physical Dimensions: in (mm)



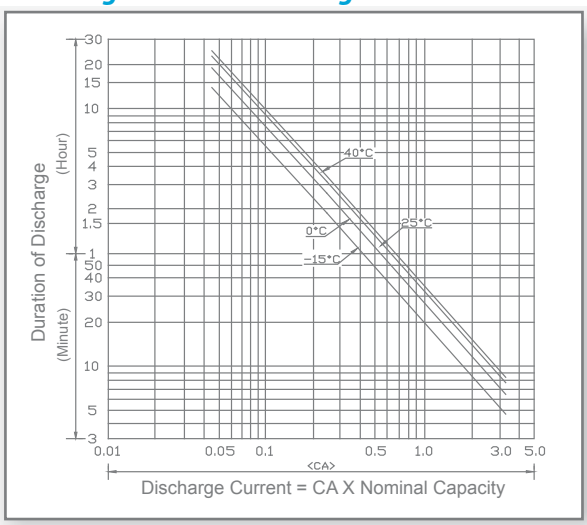
L: 3.90 in (99 mm)
W: 2.24 in (56.8 mm)
H: 4.65 in (118 mm)
TH: 4.65 in (118 mm)
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals

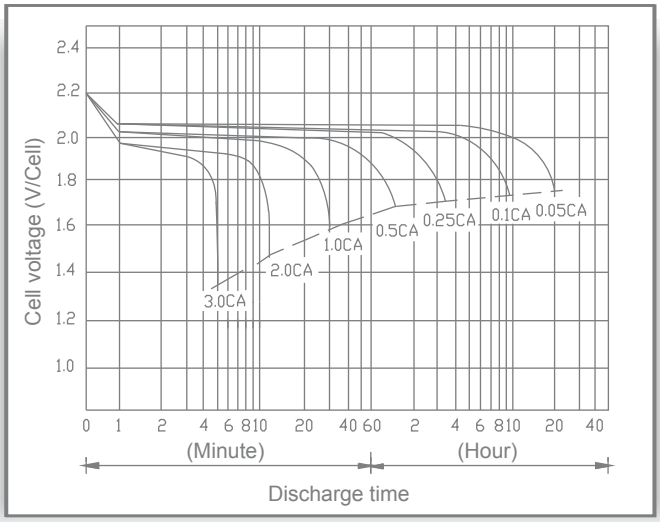


Dimension / Type	L	W	w	H	T
F1	6.50	4.75	6.00	5.00	0.80

Discharge Time vs. Discharge Current



Discharge Characteristics



UPG is ISO Certified

120 Dividend Dr. Ste 100
Coppell, TX 75019

Main 469.892.1122
Toll Free 866.892.1122

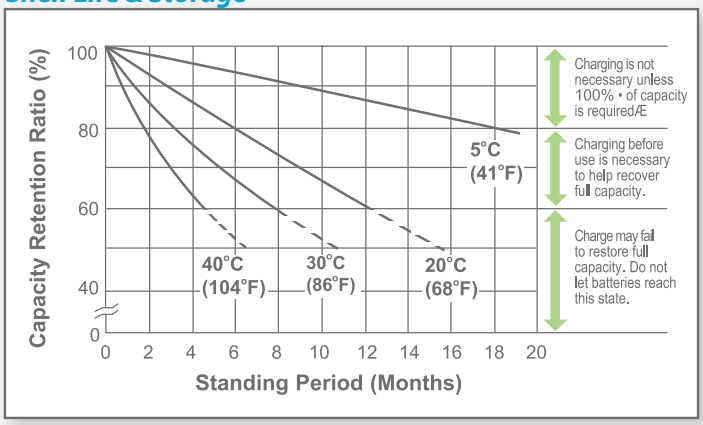
Fax 469.892.1123
sales@upgi.com

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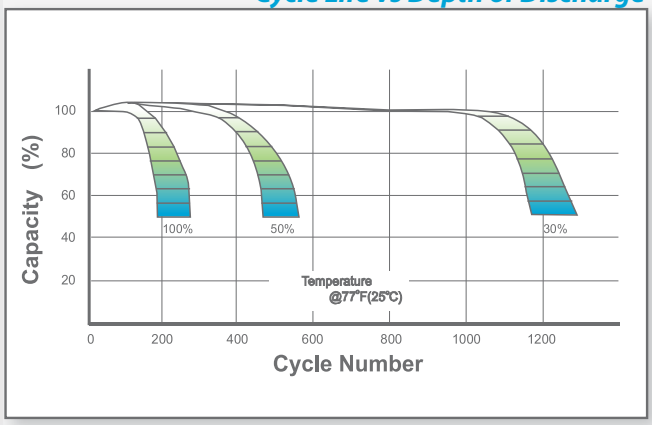
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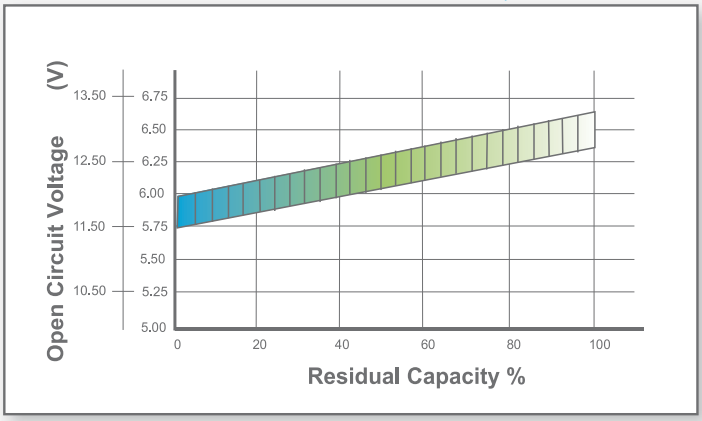
Shelf Life & Storage



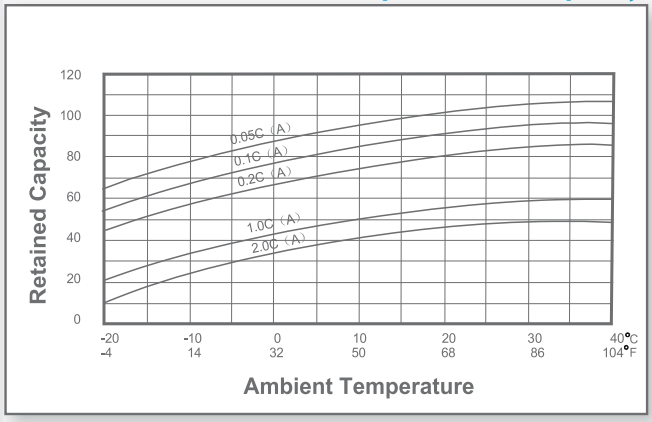
Cycle Life vs Depth of Discharge



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℃(77℉)	2.45	2.43~2.47	0.30C
Standby	25℃(77℉)	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

UPG
STAY POWERED

UPG is ISO Certified

120 Dividend Dr. Ste 100
Coppell, TX 75019

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