Sealed Lead-Acid Battery

UPG No. 40696

UB12220

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. r ecognized under file number MH 20567.

Specification

Nominal Voltage	12 volts
Nominal Capacity	77° F (25° C)
20-hr. (1.10A)	22 Ah
10-hr. (2.05A)	20.46 Ah
5-hr. (18.70A)	18.70 Ah
1-hr. (13.20A)	13.20 Ah
Approximate Weight	13.01 lbs (5.9 kgs)
Internal Resistance (approx.)	8mOHMS

Shelf Life (% of normal capacity at 77° F (25° C))

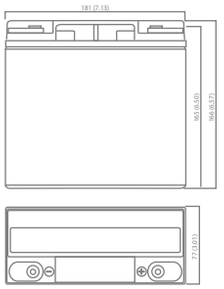
3 Months	6 Months	12 Months
91%	82%	64%

Temperature Dependancy of Capacity (20 hour rate)

104° F	77° F	32° F	5° F
102%	100%	85%	65%

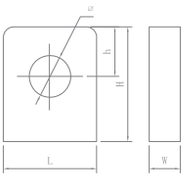
Charge Method (Constant Voltage)	
Cycle Use (Repeating Use)	
Initial Current	7.7 A or smaller
Control Voltage	14.5 - 14.9 V
Float Use	
Control Voltage	13.6 - 13.8 V

Physical Dimensions: in (mm)



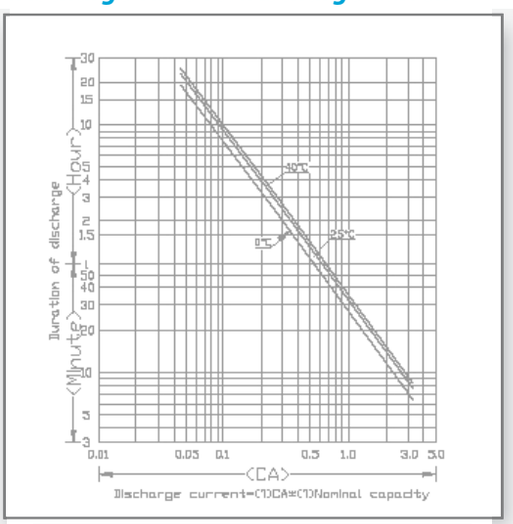
L: 7.13in (181.1 mm)
W: 3.01in (76.5 mm)
H: 6.50in (165.1 mm)
TH: 6.57in (166.9 mm)
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals

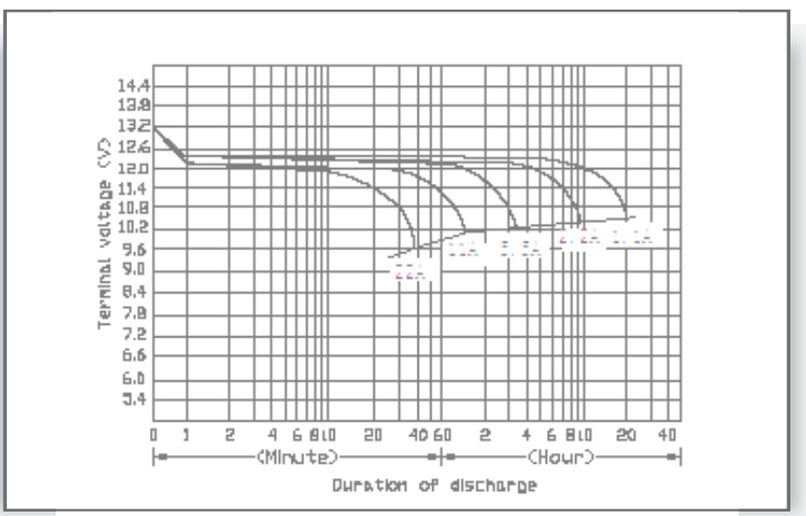


Dimension / Type	L	W	H	h	⌀
L4	26.5	8.0	24.5	12.0	9.0

Discharge Time vs. Discharge Current



Discharge Characteristics



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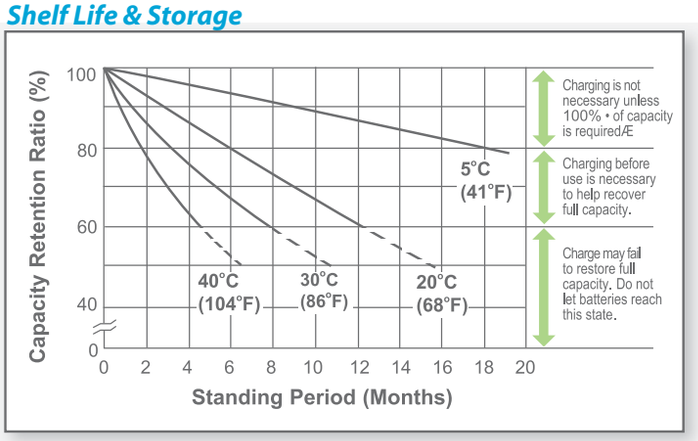
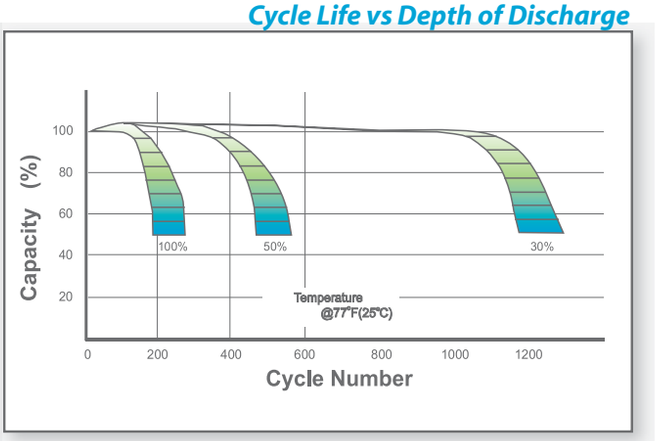
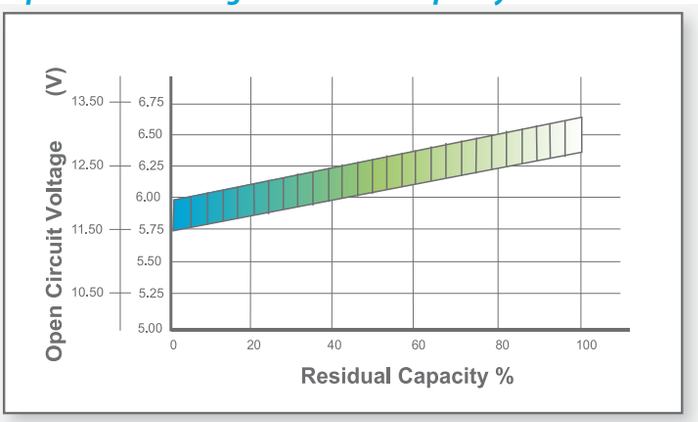
Shelf Life & Storage



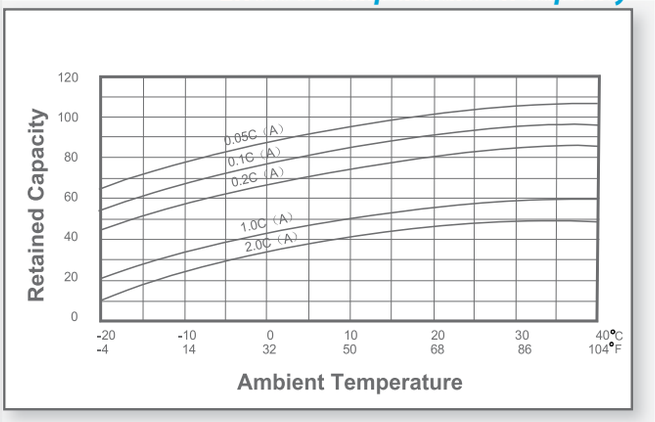
Cycle Life vs Depth of Discharge



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	2.40~2.50	0.35C
Standby	25℃(77℉)	2.325	2.30~2.35	

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
Let us power you.

ISO 9001 :2000

Let UPG Power Your Life.

www.upgi.com

1720 Hayden Drive | Carrollton, Texas 75006 | P 469.892.1122 | T 866.892.1122 | F 469.892.1123 | sales@upgi.com