



UPG
STAY POWERED

Sealed Lead-Acid Battery

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.

UPG No. D2790

UB1220-T

Maintenance-Free

Specification

Nominal Voltage		12 volts	
Nominal Capacity		77° F (25° C)	
20-hr. (0.10A)		2.00 Ah	
10-hr. (0.19A)		1.86 Ah	
5-hr. (0.34A)		1.70 Ah	
1-hr. (1.20A)		1.20 Ah	
Approximate Weight		1.54 lbs (0.7 kg)	
Internal Resistance (approx.)		40mΩ	
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%



Charge Method (Constant Voltage)

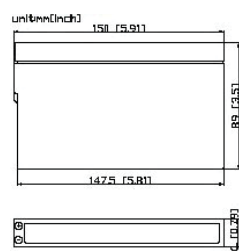
Cycle Use (Repeating Use)

Initial Current	0.6 A or smaller
Control Voltage	14.5-14.9 V

Float Use

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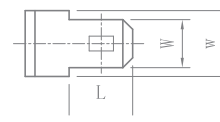
Physical Dimensions: in (mm)



L: 5.91in (150.1 mm)
W: 0.79in (20.1 mm)
H: 3.50in (88.9 mm)
TH: 3.50in (88.9 mm)

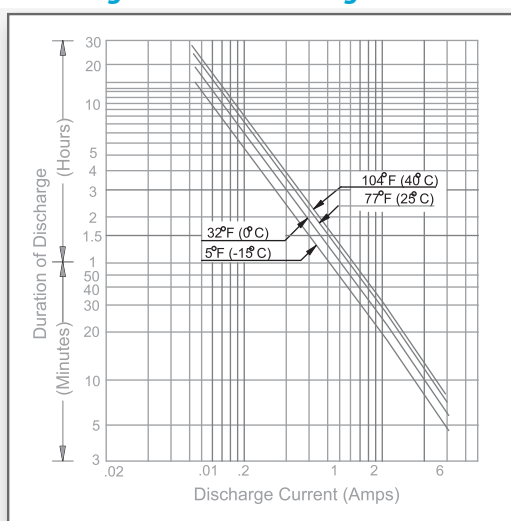
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals

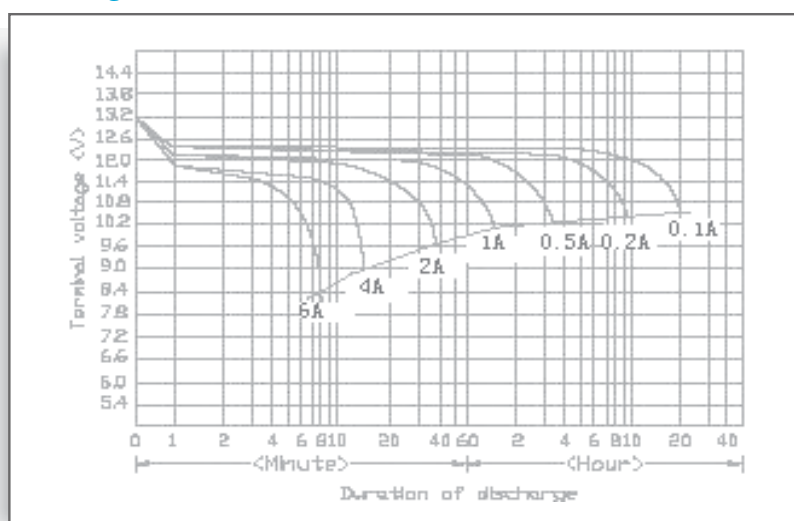


Dimension Type	L	W	w	H	T
F1	6.50	4.75	6.00	5.00	0.80

Discharge Time vs. Discharge Current



Discharge Characteristics

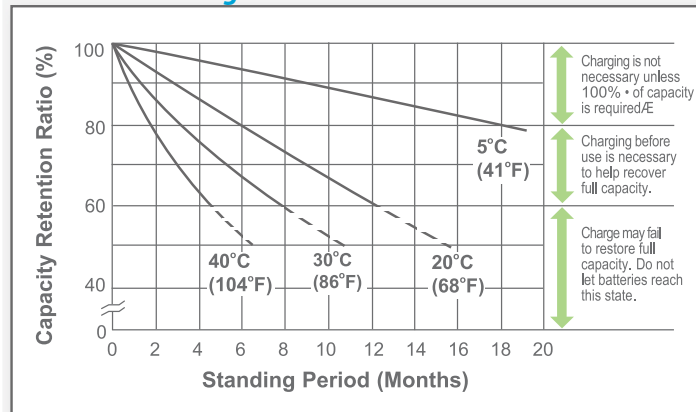
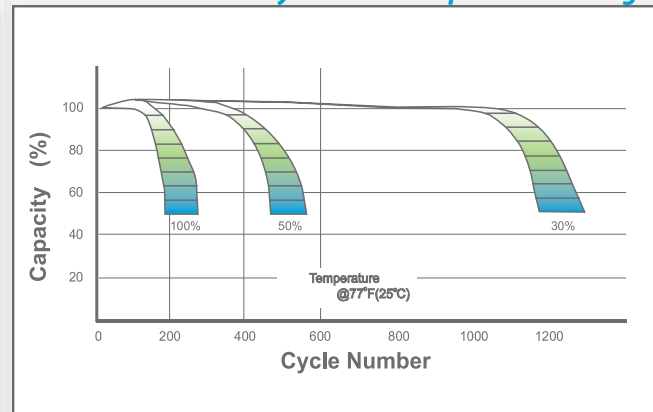
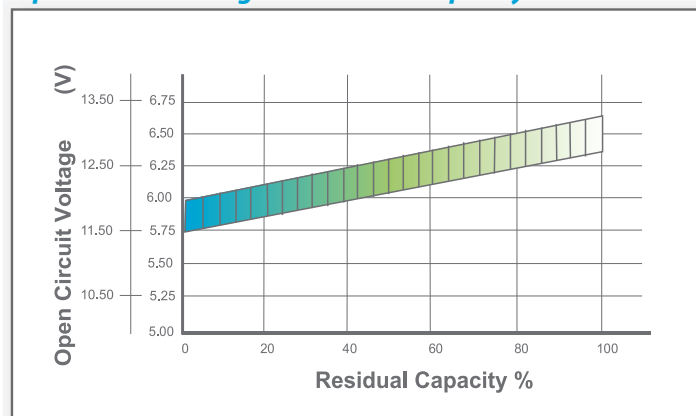
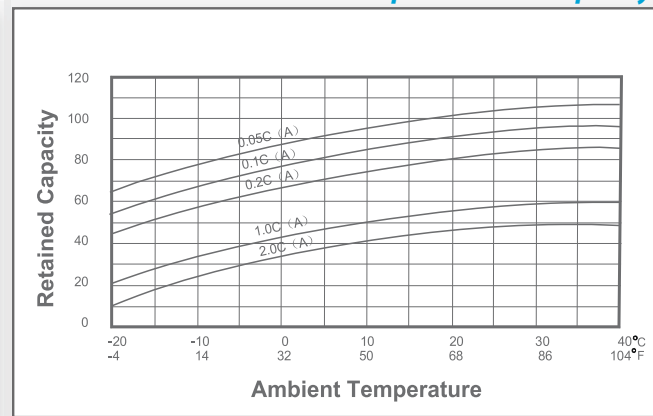


ISO 9001 :2008

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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	Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
	Temperature	Set Point	Allowable Range		Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.30C					
Standby	25°C(77°F)	2.325	2.30~2.35						



Let UPG Power Your Life.

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