

UPG Sealed Lead-Acid Battery

STAY POWERED®

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. D5798

UB490

Maintenance-Free

Specification

Nominal Voltage		4 volts	
Nominal Capacity		77° F (25° C)	
20-hr.	(0.45A)	9.00 Ah	
10-hr.	(0.84A)	8.37 Ah	
5-hr.	(1.53A)	7.65 Ah	
1-hr.	(5.40A)	5.40 Ah	
Approximate Weight		2.19 lbs (0.995 kgs)	
Internal Resistance (approx.)		10 mΩ	
Shelf Life (% of normal capacity at 68° F (20° C))			
3 Months		6 Months	12 Months
91%		83%	64%
Temperature Dependency 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)

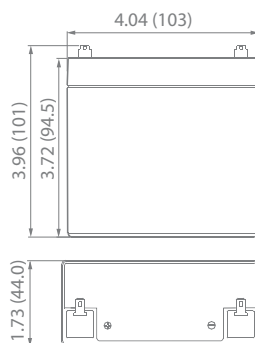
Cycle Use (Repeating Use)

Initial Current	2.7 A or smaller
Control Voltage	4.87 - 4.93 V

Float Use

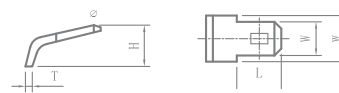
Control Voltage	4.53 - 4.6 V
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Physical Dimensions: in (mm)



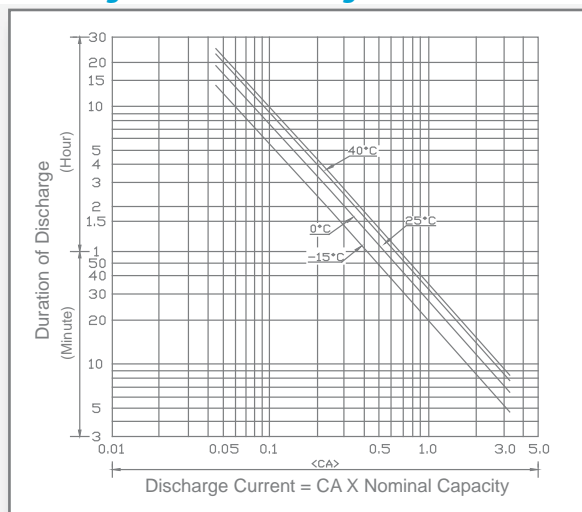
L: 4.04 in (103 mm)
W: 1.73 in (44.0 mm)
H: 3.72 in (94.5 mm)
TH: 3.96 in (101 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals

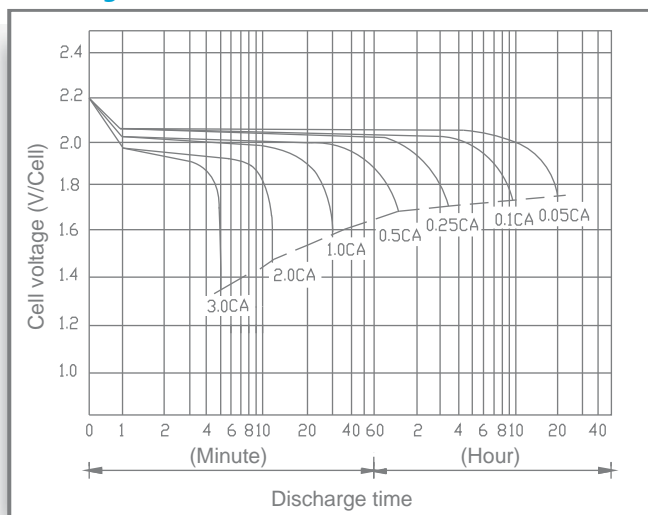


Dimension Type	L	W	w	H	T
F1	6.50 mm 0.26 in	4.75 mm 0.19 in	6.00 mm 0.24 in	5.00 mm 0.20 in	0.80 mm 0.03 in

Discharge Time vs. Discharge Current



Discharge Characteristics



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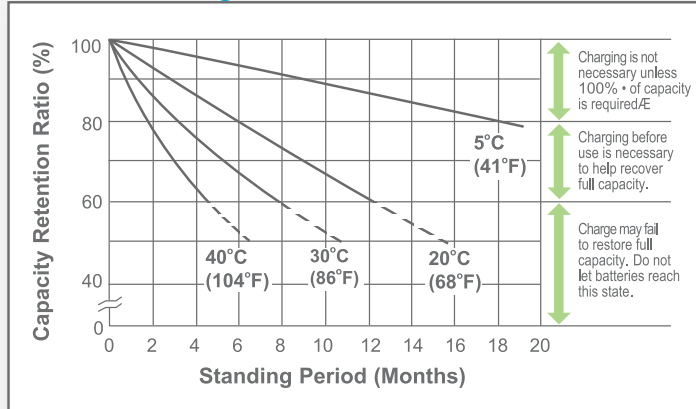
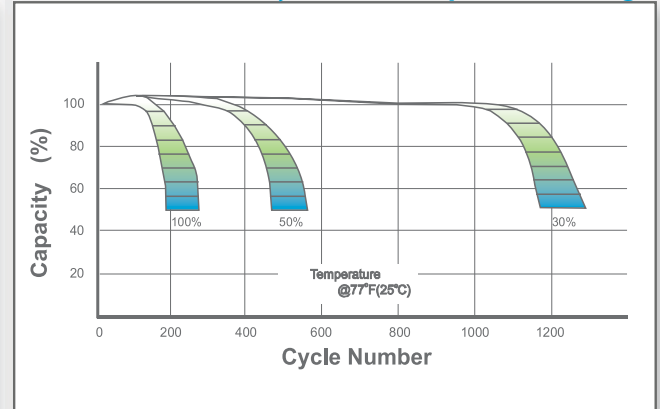
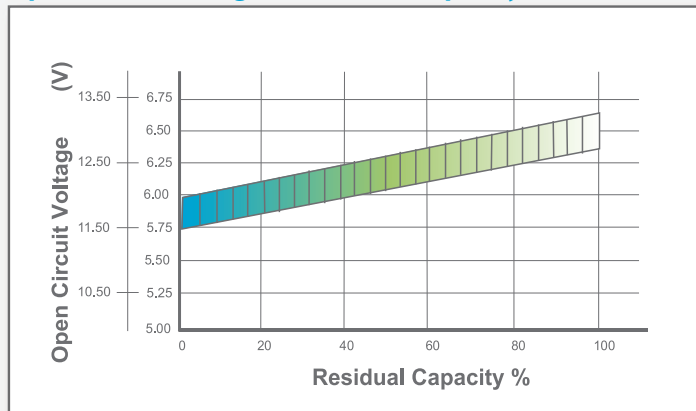
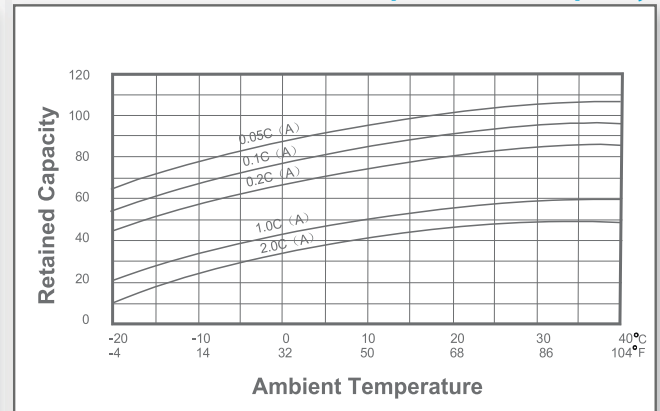
ISO 9001

All specifications subject to change without notice.

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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						
Cycle Use	25°C (77°F)	2.45	2.43~2.47	0.30C	Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C
Standby	25°C (77°F)	2.28	2.27~2.30						