# 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.

Maintenance-Free

28

JB1

l

Specification			12			
Nominal Voltage			12 volts			
Nominal Capacity			77º F (25º C)			
20-hr. (0.4A)			8.00 Ah			
10-hr. (0.744A	()		7.44 Ah			
5-hr. (1.36A)			6.80 Ah			
1-hr. (4.8A)			4.80 Ah			
Approximate Weig	ght		4.74 lbs (2.14 kgs)			
nternal Resistanc	e (approx.)		23mΩ			
Shelf Life (% of nor	mal capacity at	68º F (20º C)				
3 Months	6 Mc	12 Months				
91%	83%	64%				
Temperature Dep	endancy of Cap	oacity	(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 Ten	nerature	5°F to 104°F (-15°C to 40°C)				

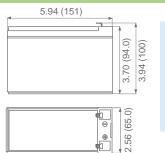


Due to continuous improvements to our products, product may vary slightly from depiction

Charge Method (Consta	nt Voltage)
Cycle Use (Repeating Use	e)
Initial Current	2.4 A or smaller
Control Voltage	14.6 - 14.8 V
Float Use	
Control Voltage	13.6 - 13.8 V

## Physical Dimensions: in (mm)

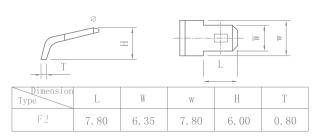
POWERED



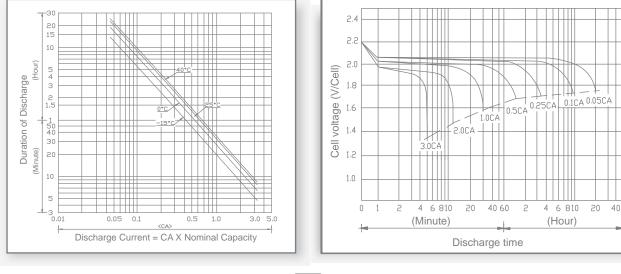
Discharge Time vs. Discharge Current

#### L: 5.94 in (151 mm) W: 2.56 in (65.0 mm) H: 3.70 in (94.0 mm) TH: 3.94 in (100 mm) Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height

#### Terminals



### **Discharge Characteristics**



## www.upgi.com



All specifications subject to change without notice.

488 S. Royal Lane Coppell, Texas 71906 P 469.892.1122 T 866.892.1122 F 469.892.1123 sales@upgi.com Copyright©2020 Universal Power Group, Inc. All rights reserved.

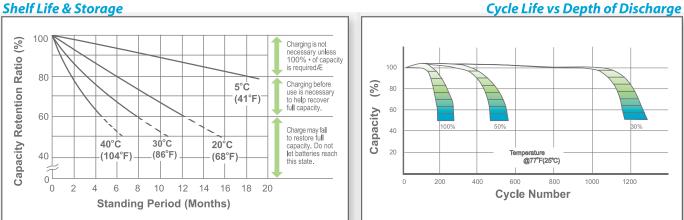
dimensions. All data subject to change without notice.

UPG No. D5779

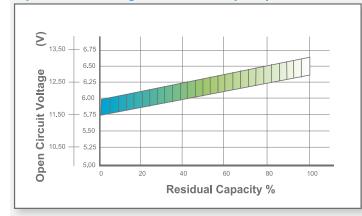


Maintenance-Free

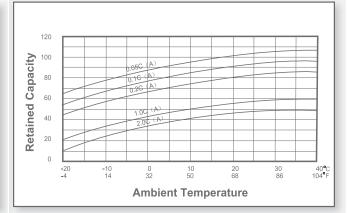




#### **Open Circuit Voltage vs Residual Capacity**



Effect of Temperature on Capacity



### Charge Current & Final Discharge Voltage

Application	Charge Voltage(V/Cell)		Max.Charge Current	Final Discharge	1.75	1.70	1.60	1.30	
	Temperature	Set Point	Allowable Range	Max.onarge ourrent	Voltage V/Cell	1.70	1.70	1.00	1.50
Cycle Use	25℃(77°F)	2.45	2.40~2.50	.3C	Discharge	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C
Standby	<b>25°</b> C( <b>77</b> °F)	2.30	2.3 ~2.35		Current(A)				





www.upgi.com

488 S. Royal Lane Coppell, Texas 71906 P 469.892.1122 T 866.892.1122 F 469.892.1123 sales@upgi.com

ISO 9001