

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

UB650S

UPG No. D5697

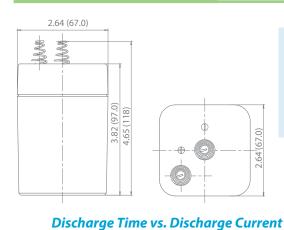
Specificat	ion					
Nominal Vo	oltage		6 volts (3 cells)			
Nominal Ca	apacity		77º F (25º C)			
20-hr.	(0.25A)		5.00 Ah			
10-hr.	(0.47A)	0.47A) 4.65 Ah				
5-hr.	(0.85A)		4.25 Ah			
1-hr.	(3.00A)	3.00 Ah				
Approxima	te Weight		1.76 lbs (0.8 kgs)			
Internal Re	sistance (approx.)		17mΩ			
Shelf Life (% of normal capac	ity at 68°F (20°C)			
1 Month	3 Months	6 Months	12 Months			
97%	91%	83%	64%			
Temperatu	ire Dependancy o	f Capacity	(20 hour rate)			
104° F (4	0°C) 77°F (25°	C) 32° F (0°	C) 5°F (-15°C)			
102%	100%	85%	65%			
AGM Oper	ational Temperati	ure				
Charge	Charge		-4°F to 122°F (-20°C to 50°C)			
Discharg	ge	-40°F to	-40°F to 140°F (-40°C to 60°C)			
AGM Stora	ge Temperature	5°F to 10	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 V	/oltage)	
Cycle Use (Repeating Use)		
Initial Current	1.5 A	
Control Voltage	7.3 - 7.4 V	
Float Use		
Control Voltage	6.8 - 6.9 V	

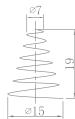
Physical Dimensions: in (mm



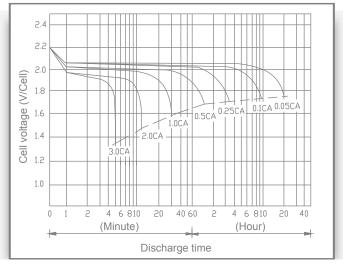
L: 2.64 in (67.0 mm) W: 2.64 in (67.0 mm) H: 3.82 in (97.0 mm) TH: 4.65 in (118 mm) Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals

S Series (Spring Terminal) -S2



Discharge Characteristics



20 15 10 (Hour) 5 4 Duration of Discharge 3 2 1.5 -1 50 40 30 (Minute) 20 10 5 3 L 0.01 3.0 5.0 0.05 0.1 0.5 1.0 <CA> Discharge Current = CA X Nominal Capacity

www.upgi.com



120 Dividend Dr. Ste 100 Coppell, TX 75019 Main 469.892.1122 Toll Free 866.892.1122 Fax 469.892.1123 sales@upgi.com

All specifications subject to change without notice.

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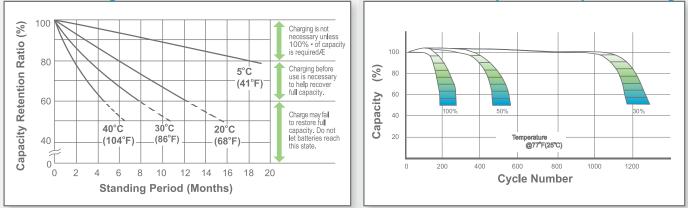
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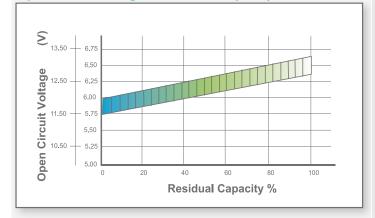


Shelf Life & Storage

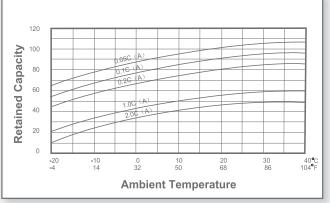
Cycle Life vs Depth of Discharge



Open Circuit Voltage vs Residual Capacity



Effect of Temperature on Capacity



Charge Current & Final Discharge Voltage

Application	Charge Voltage(V/Cell)		Max.Charge Current	Final Discharge	1 75	1.70	1.60	1.30	
	Temperature	Set Point	Allowable Range	Max.onarge ourrent	Voltage V/Cell	1.75	1.70	1.00	1.50
Cycle Use	25℃(77°F)	2.45	2.43~2.47	0.3C	Discharge	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		Current(A)				

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