

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

## Specification

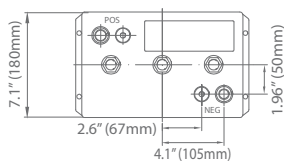
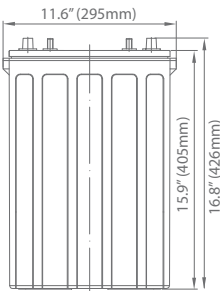
<b>Nominal Voltage</b>	6V		
<b>Nominal Capacity</b>	77°F (25°C)		
20-hr. (19.0A)	380 Ah		
10-hr. (35.3A)	353 Ah		
5-hr. (64.6A)	323 Ah		
1-hr. (228A)	228 Ah		
<b>Approximate Weight</b>	123 lbs (55.7 kgs)		
<b>Internal Resistance</b> (approx.)	2.3mΩ		
<b>Shelf Life</b> (% of normal capacity at 77°(25°C)			
3 Months	6 Months	12 Months	
91%	82%	64%	
<b>Temperature Dependency of Capacity</b>			
104°F	77°F	32°F	5°F
102%	100%	85%	65%
<b>AGM Operational Temperature</b>			
Charge	32°F to 104°F (0°C to 40°C)		
Discharge	5°F to 113°F (-15°C to 45°C)		
<b>AGM Storage Temperature</b>	5°F to 104°F (-15°C to 40°C)		



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

<b>Charge Method</b> (Constant Voltage)		
<b>Cycle Use</b> (Repeating Use)		
Initial Current	114A or smaller	
Control Voltage	7.3 - 7.4V	
<b>Float Use</b>		
Control Voltage	6.8 - 6.9V	

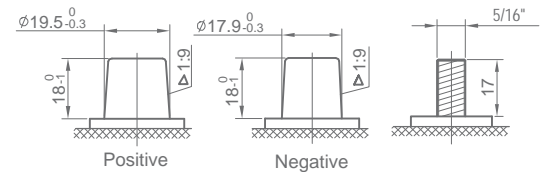
## Physical Dimensions: in (mm)



**L:** 11.6" (295mm)  
**W:** 7.1" (180mm)  
**H:** 15.9" (405mm)  
**TH:** 16.8" (426mm)  
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

## Terminals

### Automotive Post & Stud APS



## Constant Current Discharge - Amps at 20°C (68°F)

End Point Volts/ Cell	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	100HR
1.60V	--	--	--	239	97.3	62.5	33.9	3.93
1.65V	--	--	--	229	93.1	60.0	32.7	3.79
1.70V	--	--	--	217	89.0	57.5	31.3	3.64
1.75V	--	--	--	206	84.8	55.0	30.0	3.48
1.80V	--	--	--	202	83.2	53.9	29.6	3.43

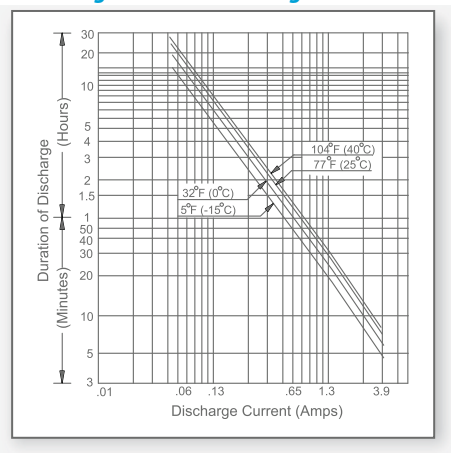
## Constant Power Discharge - Watts Per Cell at 20°C (68°F)

End Point Volts/ Cell	10MIN	15MIN	30MIN	45MIN	1HR	2HR	3HR	5HR
1.60V	--	--	--	520	416	241	183	121
1.65V	--	--	--	505	404	235	178	119
1.70V	--	--	--	489	394	229	174	116
1.75V	--	--	--	474	382	223	169	113
1.80V	--	--	--	457	370	217	165	110

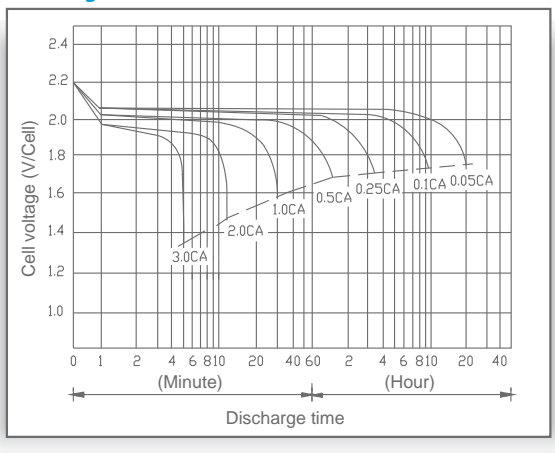
# UB63800

Maintenance-Free

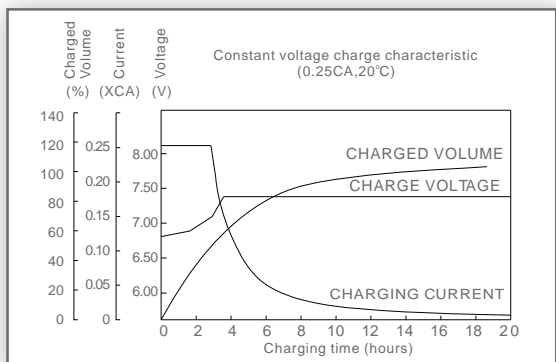
**Discharge Time vs. Discharge Current**



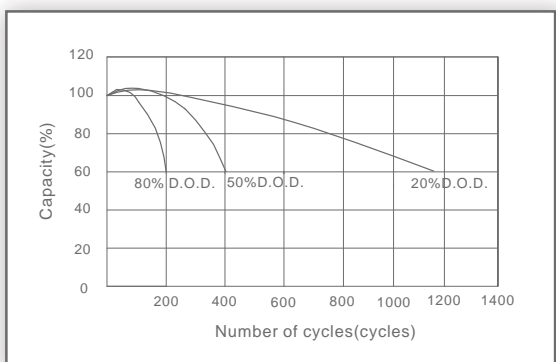
**Discharge Characteristics**



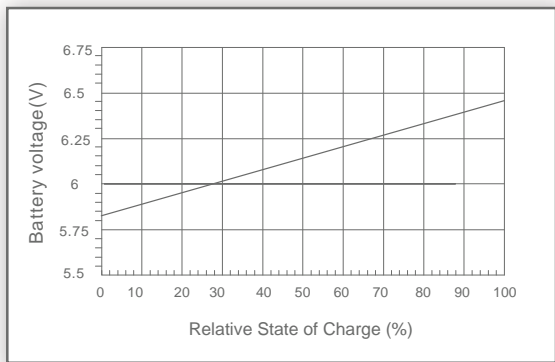
**Charge Characteristic Curve**



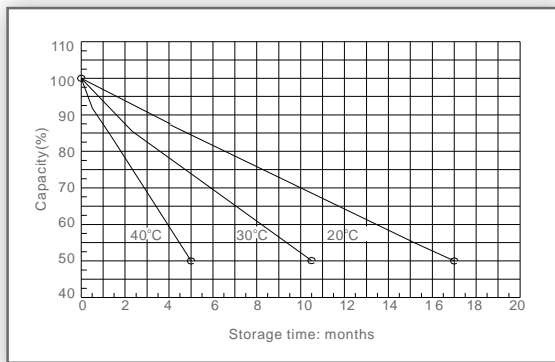
**Cycle Service Life in Relation to Depth of Discharge**



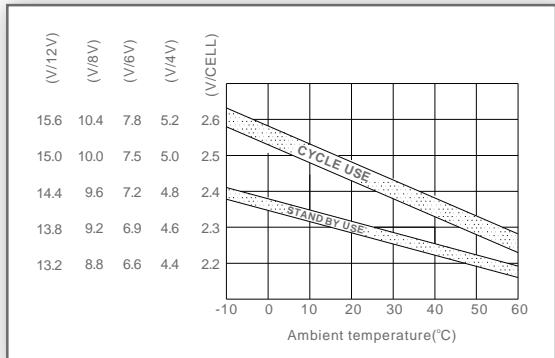
**Relationship of OCV and State of Charge (20°C)**



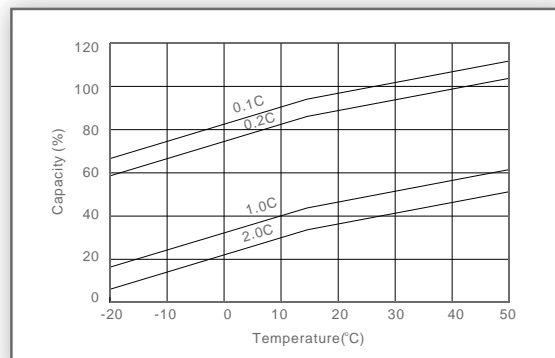
**Self Discharge Characteristic**



**Relationship Between Charging Voltage and Temperature**



**Temperature Effects on Capacity**



ISO 9001:2008

Let UPG Power Your Life.

[www.upgi.com](http://www.upgi.com)