Sealed Lead-Acid Battery

UPG No. 40565

UB645

Maintenance-Free

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.

Specification

Nominal Voltage	6 volts
Nominal Capacity	77º F (25º C)
20-hr. (0.23A)	4.50 Ah
10-hr. (0.42A)	4.19 Ah
5-hr. (0.77A)	3.83 Ah
1-hr. (2.70A)	2.70 Ah
Approximate Weight	1.59 lbs (0.7 kg)
Internal Resistance (approx.)	28mΩ

Shelf Life (% of normal capacity at 68º F (20º C)

3 Months	6 Months	12 Months
91%	83%	64%

Temperature Dependency of Capacity (20 hour rate)

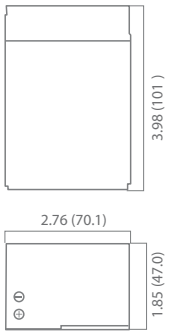
104º F	77º F	32º F	5º F
102%	100%	85%	65%

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	1.35 A or smaller
Control Voltage	7.3 - 7.4 V
Float Use	
Control Voltage	6.8 - 6.90V

Physical Dimensions: in (mm)

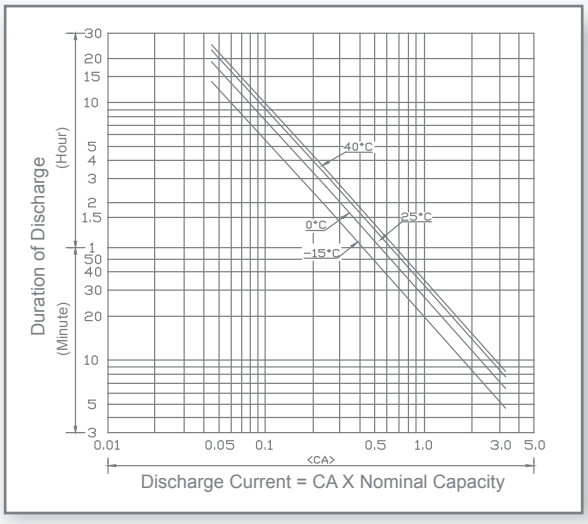


L: 2.76 in (70.1 mm)
W: 1.85 in (47.0 mm)
H: 3.98 in (101 mm)
TH: 3.98 in (101 mm)
Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

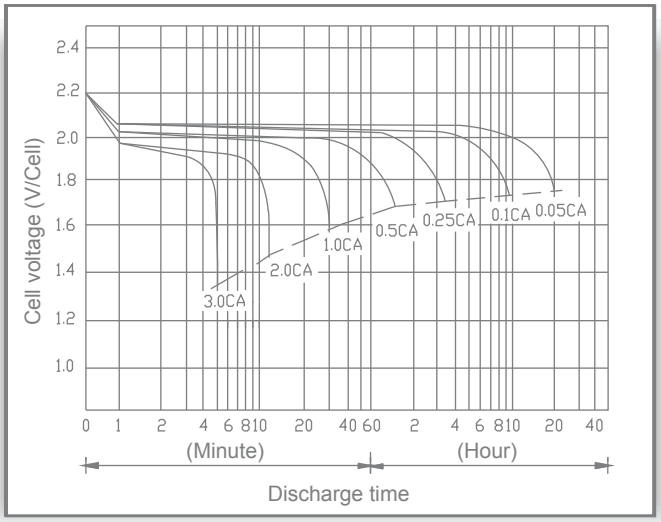
Terminals

6.5" Wire Lead

Discharge Time vs. Discharge Current



Discharge Characteristics



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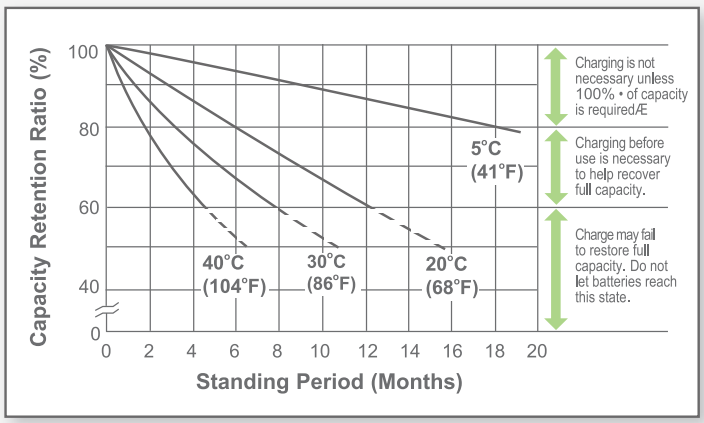
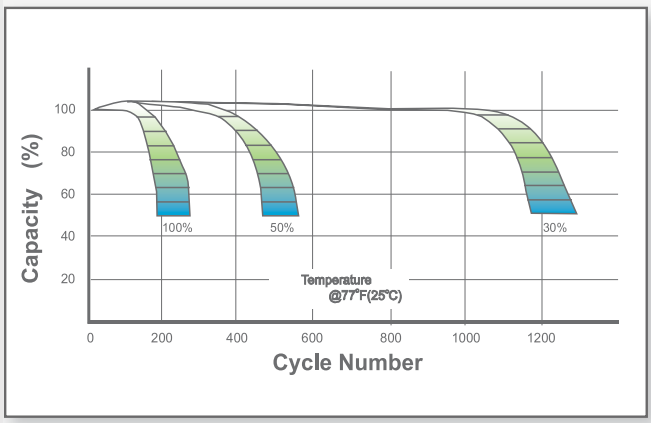
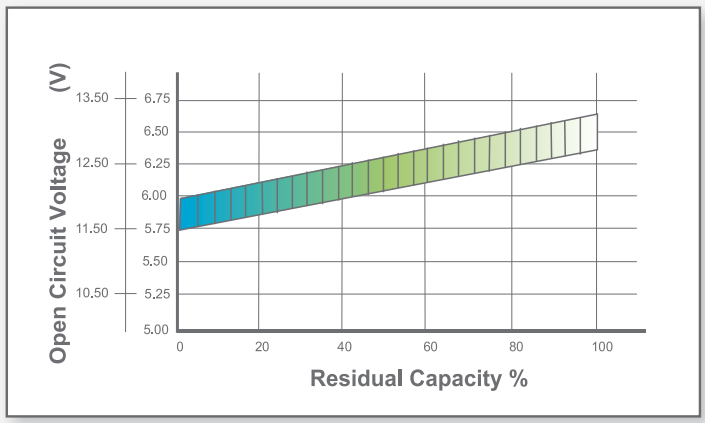
Shelf Life & Storage



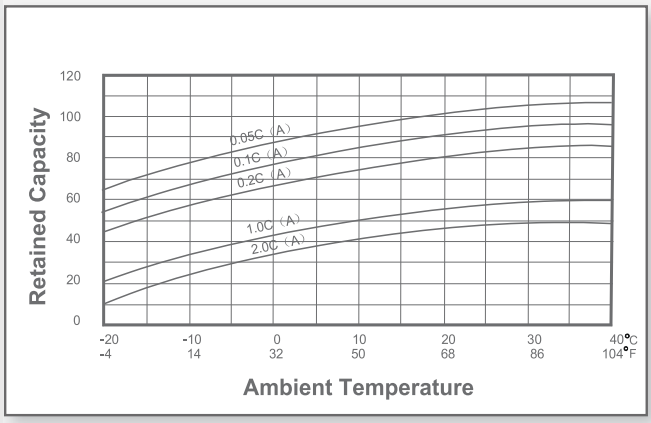
Cycle Life vs Depth of Discharge



Open Circuit Voltage vs Residual Capacity



Effect of Temperature on Capacity



Charge Current & Final Discharge Voltage

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25℃(77℉)	2.45	2.40~2.50	0.30C
Standby	25℃(77℉)	2.30	2.27~2.30	

Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C