Sealed Lead-Acid Battery

UPG No. 40560

UB6420

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.

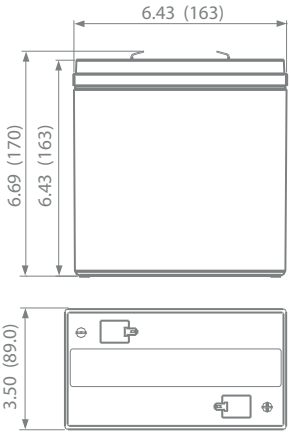
Due to continuous improvements to our products, product may vary slightly from depiction.

Specification

Nominal Voltage			6 volts
Nominal Capacity			77º F (25º C)
20-hr.	(2.10A)		42.0 Ah
10-hr.	(3.90A)		39.0 Ah
5-hr.	(7.14A)		35.7 Ah
1-hr.	(25.0A)		25.0 Ah
Approximate Weight			13.2 lbs (5.98 kgs)
Internal Resistance (approx.)			6mΩ
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)
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)

Charge Method (Constant Voltage)	
Cycle Use (Repeating Use)	
Initial Current	12 A or smaller
Control Voltage	7.3 - 7.4 V
Float Use	
Control Voltage	6.8 - 6.9 V

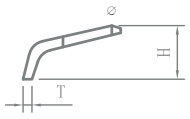
Physical Dimensions: in (mm)

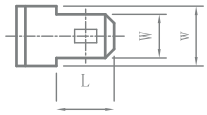


L: 6.43 in (163 mm)
W: 3.50 in (89.0 mm)
H: 6.43 in (163 mm)
TH: 6.69 in (170 mm)

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
F2	7.80 mm 0.31 in	6.35 mm 0.25 in	7.80 mm 0.31 in	6.00 mm 0.24 in	0.80 mm 0.03 in

Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	140	96.0	70.0	42.0	25.7	10.6	7.44	4.24	2.16
1.67V	126	87.6	68.0	40.8	25.7	10.6	7.38	4.18	2.15
1.70V	120	84.4	65.6	40.0	25.6	10.6	7.38	4.15	2.15
1.75V	106	78.0	62.0	39.2	25.4	10.5	7.32	4.07	2.14
1.80V	96.0	72.4	59.2	38.0	25.0	10.5	7.26	4.00	2.07
1.85V	72.8	59.6	51.2	35.0	24.8	10.5	7.20	3.93	1.94

UPG is ISO Certified

120 Dividend Dr. Ste 100
Coppell, TX 75019

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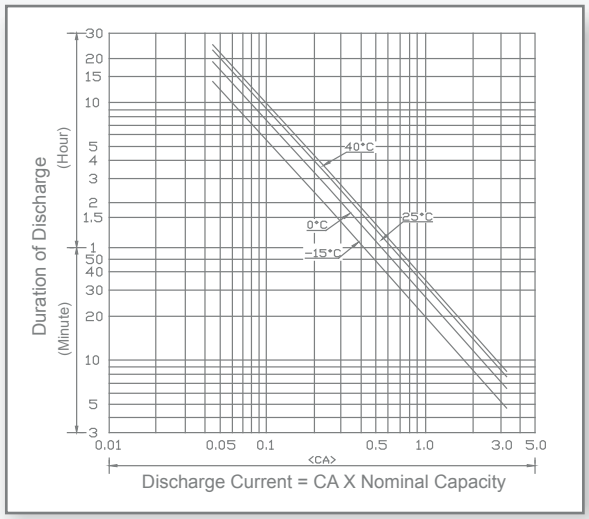
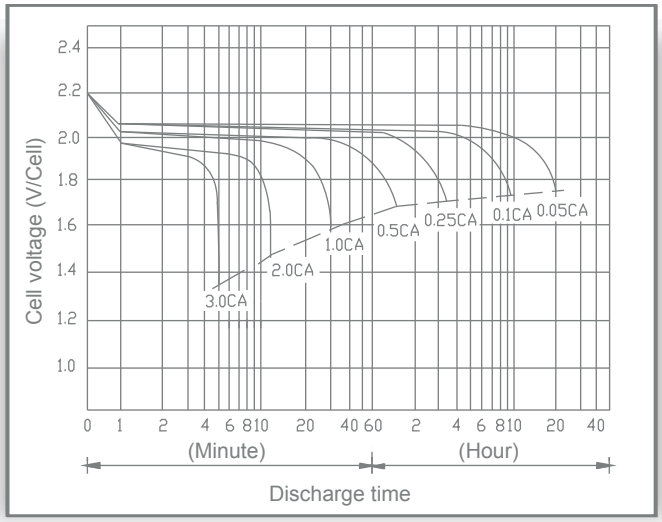
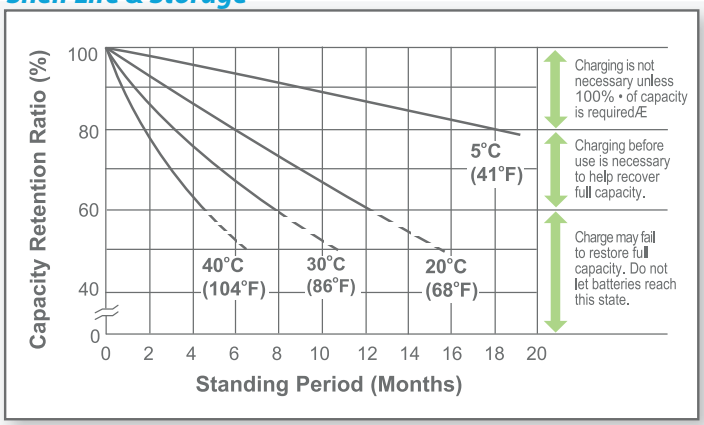
Discharge Time vs. Discharge Current



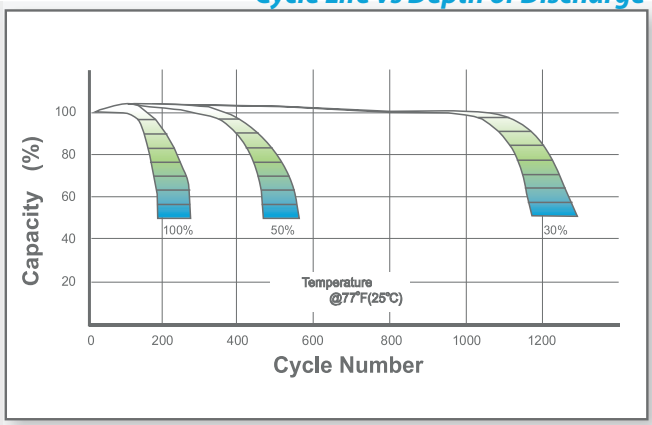
Discharge Characteristics



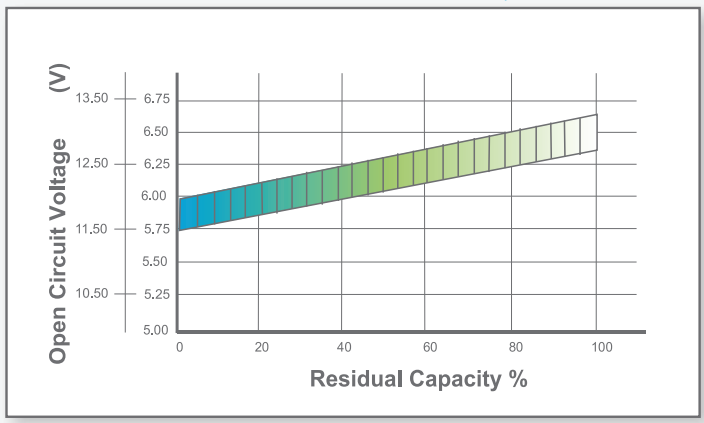
Shelf Life & Storage



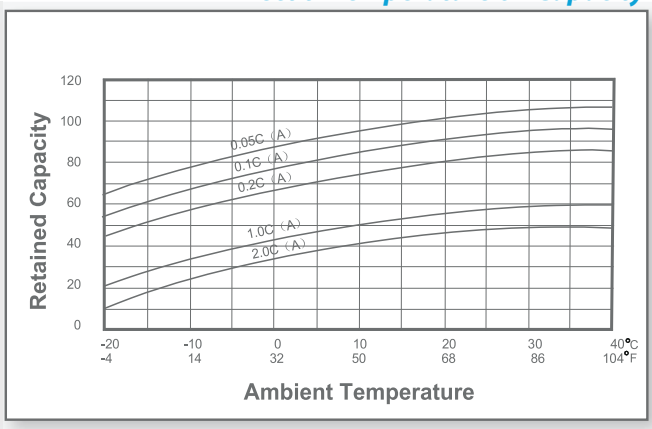
Cycle Life vs Depth of Discharge



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	2.43~2.47	0.30C
Standby	25℃(77℉)	2.28	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

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