



Sealed Lead-Acid Battery

UPG No. D5745

UB12180

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		12 volts	
Nominal Capacity		77° F (25° C)	
20-hr. (0.90A)		18 Ah	
10-hr. (1.67A)		16.74 Ah	
5-hr. (3.06A)		15.30 Ah	
1-hr. (10.80A)		10.80 Ah	
Approximate Weight		11.9 lbs (5.4 kgs)	
Internal Resistance (approx.)		18mΩ	
Shelf Life (% of normal capacity at 77° F (25° C))			
3 Months	6 Months	12 Months	
91%	82%	64%	
Temperature Dependency of Capacity		(20 hour rate)	
104° F	77° F	32° F	5° F
102%	100%	85%	65%



*Can be used outdoors.

Charge Method (Constant Voltage)

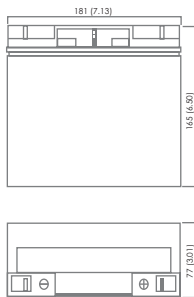
Cycle Use (Repeating Use)

Initial Current	5.4 A or smaller
Control Voltage	14.5 - 14.9 V

Float Use

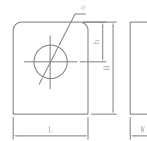
Control Voltage	13.6 - 13.8 V
-----------------	---------------

Physical Dimensions: in (mm)



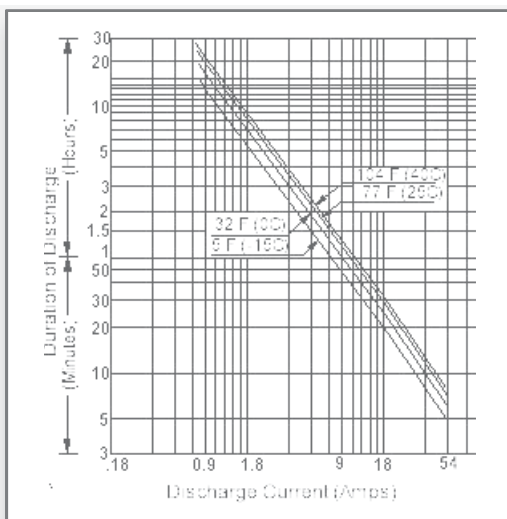
L: 7.13in (181.1 mm)
W: 3.01in (76.5 mm)
H: 6.50in (165.1 mm)
TH: 6.57in (166.9 mm)
Tolerances are +/- 0.04 in. (+/- 1mm)
and +/- 0.08 in. (+/- 2mm) for height
dimensions. All data subject to
change without notice.

Terminals

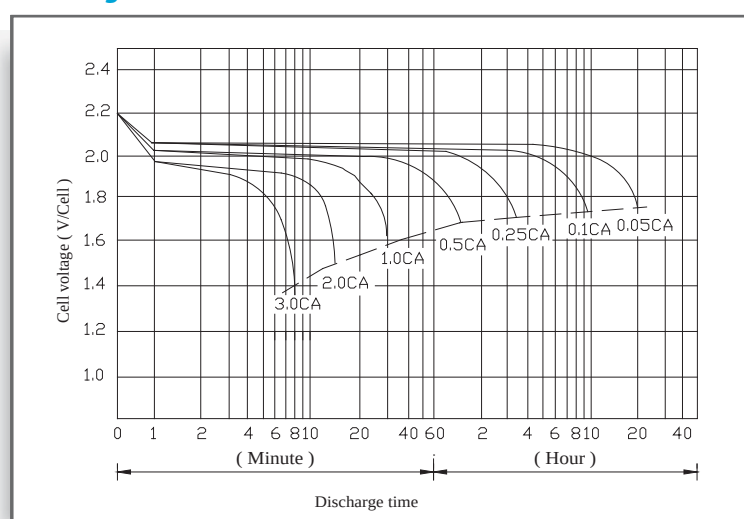


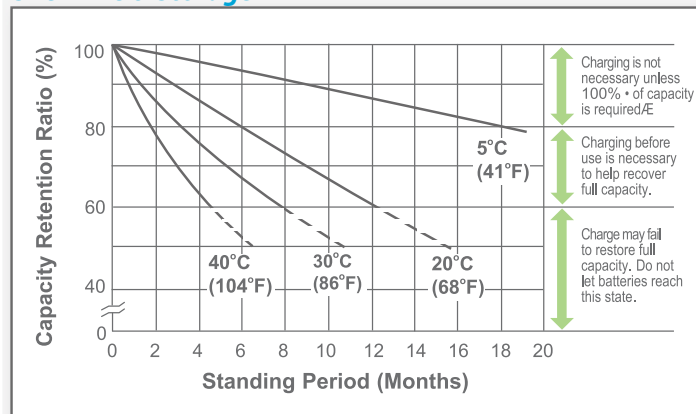
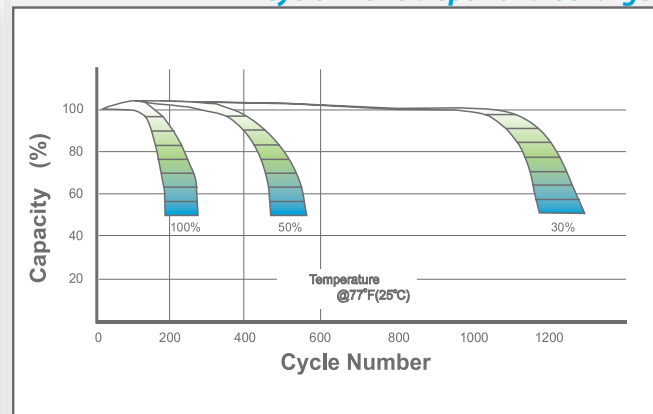
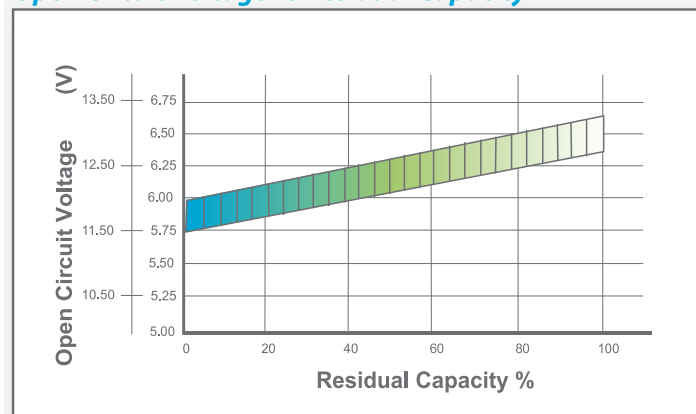
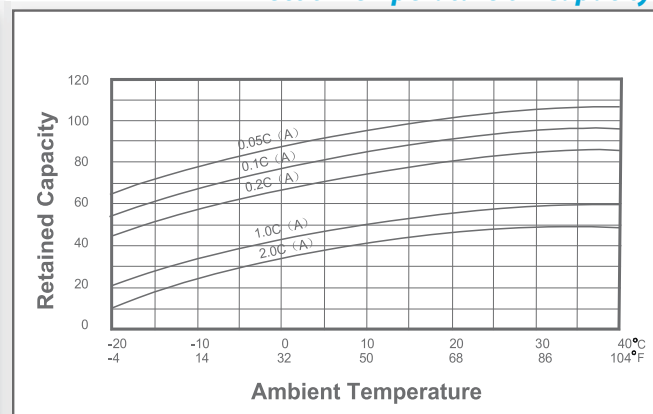
Dimension Type	L	W	H	h	φ
T3	25.5	7.0	22.0	10.5	5.8
T4	26.5	8.0	24.5	12.0	9.0

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	Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
	Temperature	Set Point	Allowable Range						
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.30°C	Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C
Standby	25°C(77°F)	2.30	2.27~2.30						



ISO 9001 :2008

Let UPG Power Your Life.

www.upgi.com