

Specification

Nominal Voltage	12 volts		
Nominal Capacity	77° F (25° C)		
20-hr. (5.00A)	100 Ah		
10-hr. (9.30A)	93 Ah		
5-hr. (17.00A)	85 Ah		
1-hr. (60.00A)	60 Ah		
Approximate Weight	67.24 lbs (30.5 kgs)		
Internal Resistance (approx.)	5mΩ		
Shelf Life (% of normal capacity at 77° F (25° 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%
GEL Operational Temperature			
Charge	32°F to 104°F (0°C to 45°C)		
Discharge	5°F to 113°F (-15°C to 50°C)		
GEL Storage Temperature	5°F to 104°F (-15°C to 45°C)		



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

Charge Method (Constant Voltage)

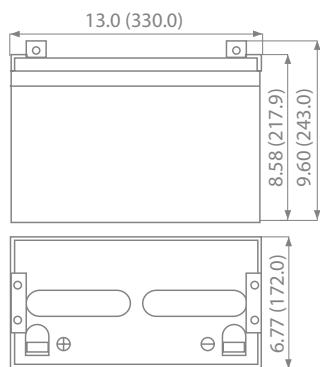
Cycle Use (Repeating Use)

Initial Current	20 A or smaller
Control Voltage	14.2 - 14.4 V

Float Use

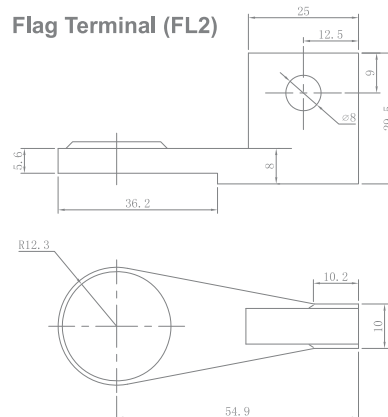
Control Voltage	13.2 - 13.4 V
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Physical Dimensions: in (mm)



L: 13.0 in (330.0 mm)
W: 6.77 in (172.0 mm)
H: 8.58 in (217.9 mm)
TH: 9.60 in (243.0 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals



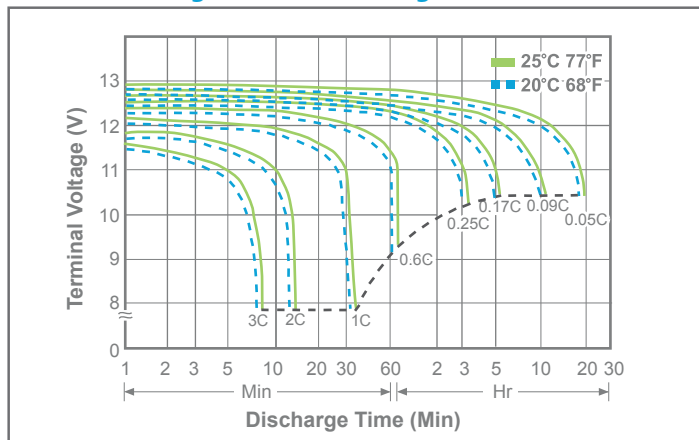
Constant Current Discharge Characteristics Unit:W (25°C, 77°F)

F.V/Time	5MIN	10MIN	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	7HR	8HR	10HR	20HR	24HR
1.90V	156	110	75.0	45.9	28.9	21.0	16.8	14.7	12.0	10.6	9.5	8.4	4.3	3.6
1.85V	203	136	92.0	53.7	31.4	22.8	18.0	15.7	12.9	11.3	10.1	8.8	4.6	3.9
1.80V	240	151	99.0	57.7	32.0	24.2	19.0	16.6	13.6	11.9	10.7	9.0	4.8	4.1
1.75V	274	162	105	60.0	34.0	25.0	19.6	17.0	14.0	12.3	11.0	9.3	5.0	4.1

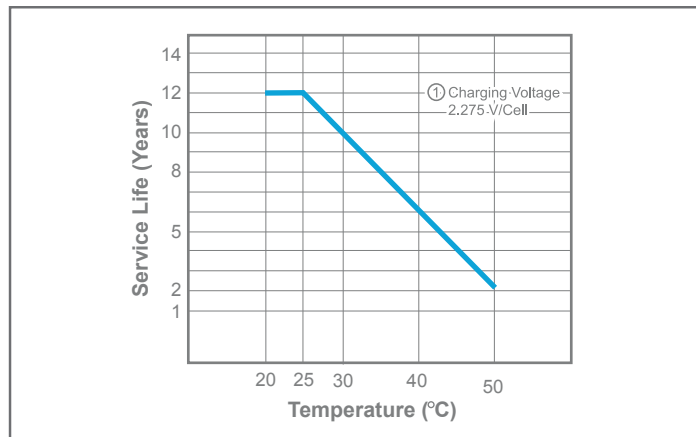
UB-30H

Maintenance-Free

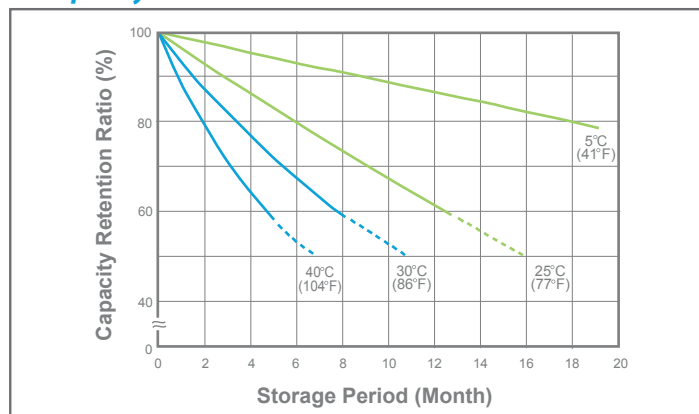
Terminal Voltage (V) and Discharge Time



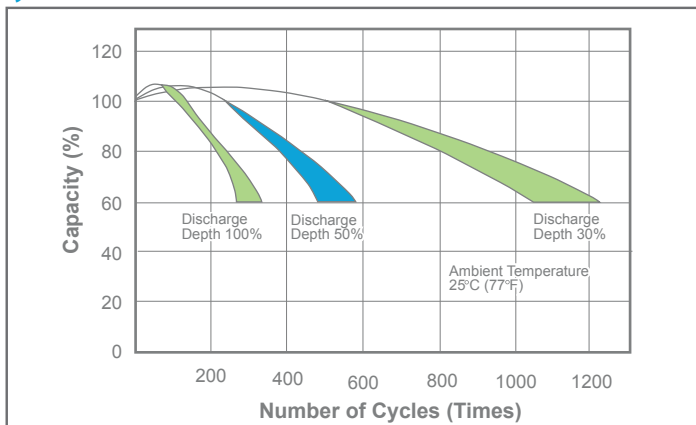
Trickle (or float) Service Life



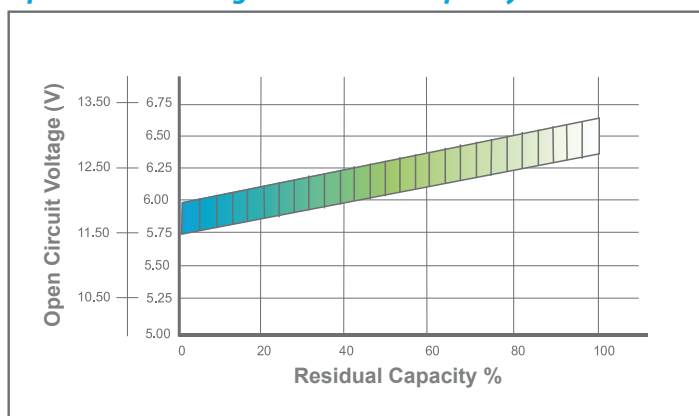
Capacity Retention Characteristic



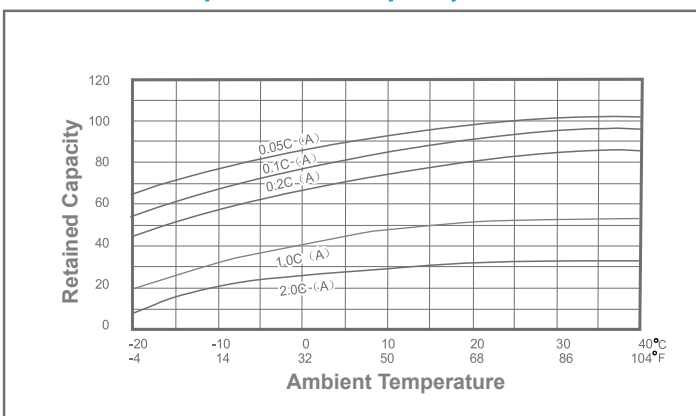
Cycle Service Life



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)	2.40	2.36~2.40	0.20C	Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C
Standby	25°C(77°F)	2.23	2.20~2.23						



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