



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

Specification

Nominal Voltage	12 volts		
Nominal Capacity	77° F (25° C)		
20-hr. (5.00A)	100 Ah		
10-hr. (9.30A)	93.0 Ah		
5-hr. (17.0A)	85.0 Ah		
1-hr. (60.0A)	60.0 Ah		
Approximate Weight	67.24 lbs (30.5 kgs)		
Internal Resistance (approx.)	5mΩ		
Shelf Life (% of normal capacity at 68° F (20° 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)		

Charge Method (Constant Voltage)

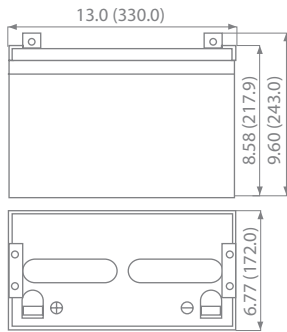
Cycle Use (Repeating Use)

Initial Current	20.0 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)

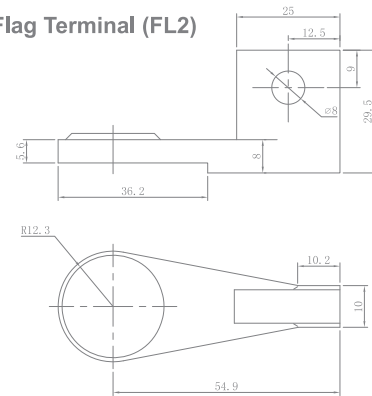


L: 13.0 in (330.0 mm)
W: 6.77 in (172.0 mm)
H: 8.58 in (217.9 mm)
TH: 9.60 in (243.0 mm)

Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals

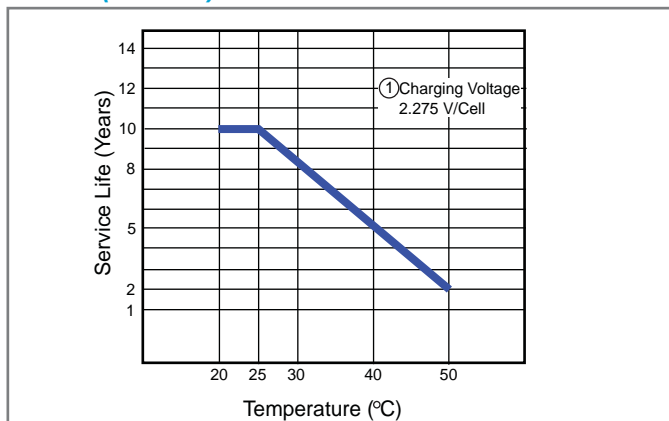
Flag Terminal (FL2)



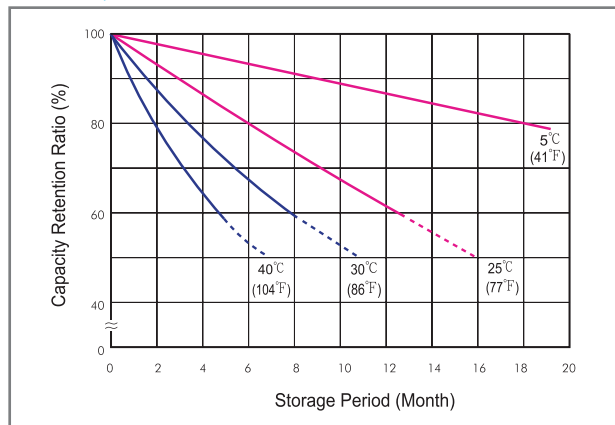
Constant Current Discharge Characteristics Unit:W (25°C, 77°F)

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

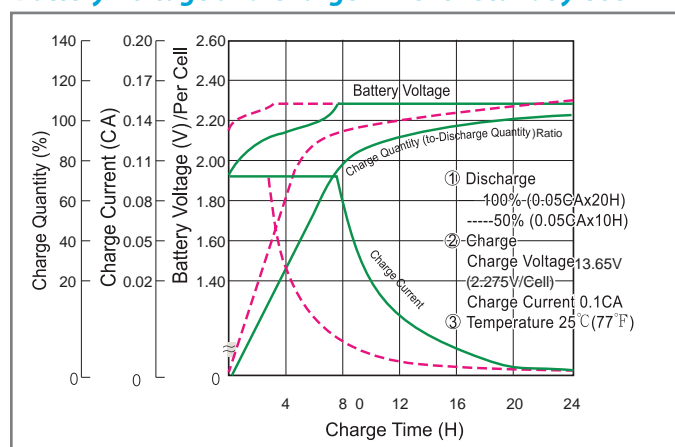
Trickle (or Float) Service Life



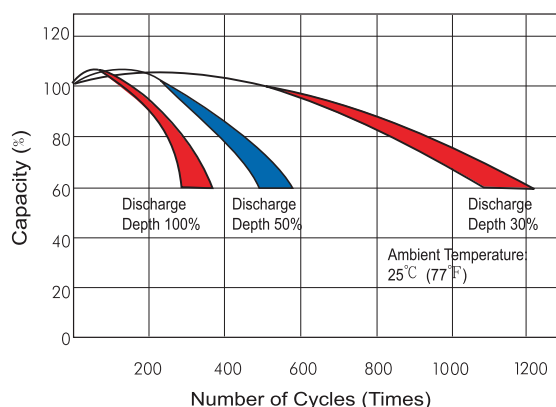
Capacity Retention Characteristic



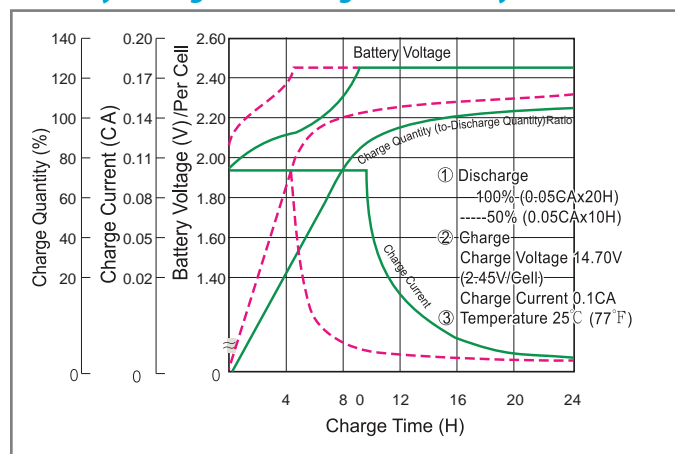
Battery Voltage and Charge Time for Standby Use



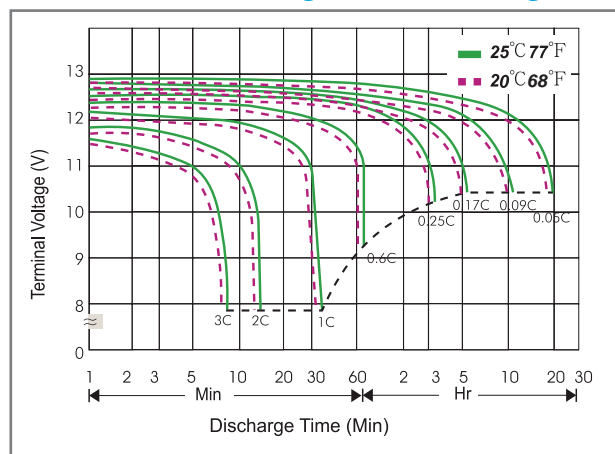
Cycle Service Life



Battery Voltage and Charge Time for Cycle Use



Terminal Voltage (V) and Discharge Time



Charge Current & Final Discharge Voltage

Application	Charge Voltage(V/Cell)			Max.Charge Current	Final Discharge Voltage V/Cell	Discharge Current(A)	1.75	1.70	1.65	1.60
	Temperature	Set Point	Allowable Range							
Cycle Use	25°C(77°F)	2.38	2.37~2.40	0.20C	1.75	0.2C>(A)	1.70	1.65	1.60	1.60
Standby	25°C(77°F)	2.22	2.20~2.23							



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