

Specification

Nominal Voltage	12 Volts
Nominal Capacity	77°F (25°C)
20-hr. (12.5 A)	250 Ah
10-hr. (23.2 A)	232.5 Ah
5-hr. (42.5 A)	212.5 Ah
1-hr. (150.0 A)	150 Ah

Approximate Weight 158.73 lbs (72 kgs)

Internal Resistance (approx.)

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 (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)

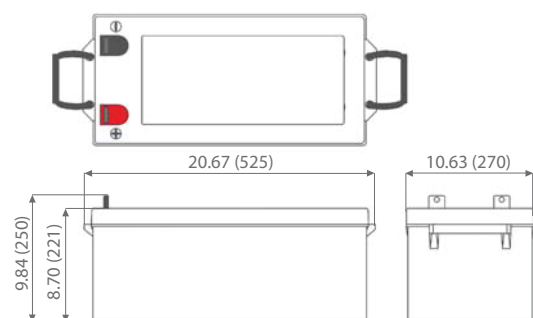
Cycle Use (Repeating Use)

Initial Current	75 A or smaller
Control Voltage	14.6 - 14.8 V

Float Use

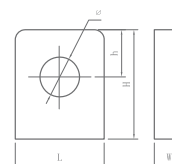
Control Voltage	13.6 - 13.8 V
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Physical Dimensions: in (mm)



L: 20.67 in (525 mm)
W: 10.63 in (270 mm)
H: 8.70 in (221 mm)
TH: 9.84 in (250 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals



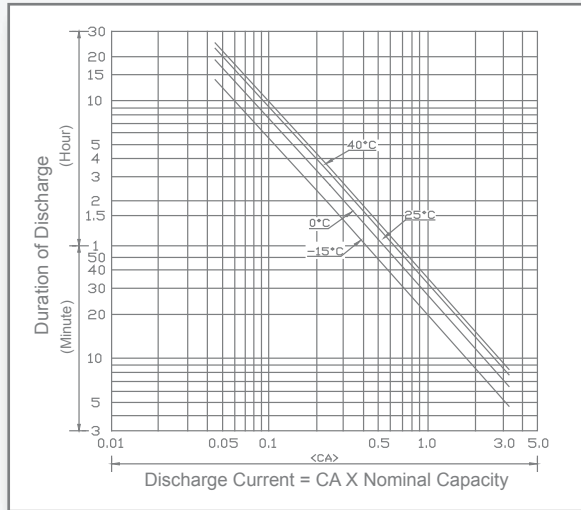
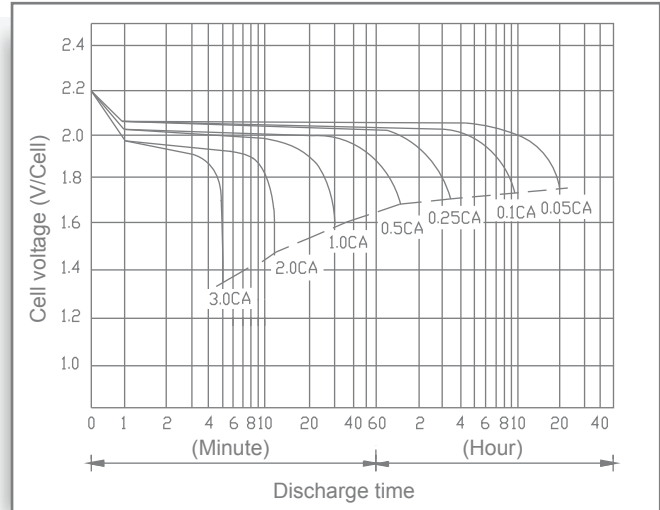
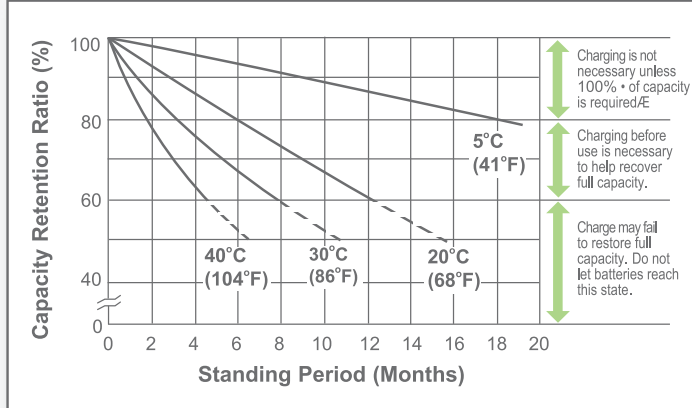
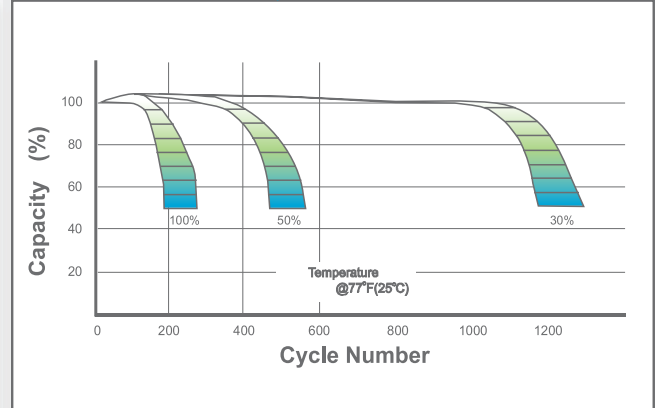
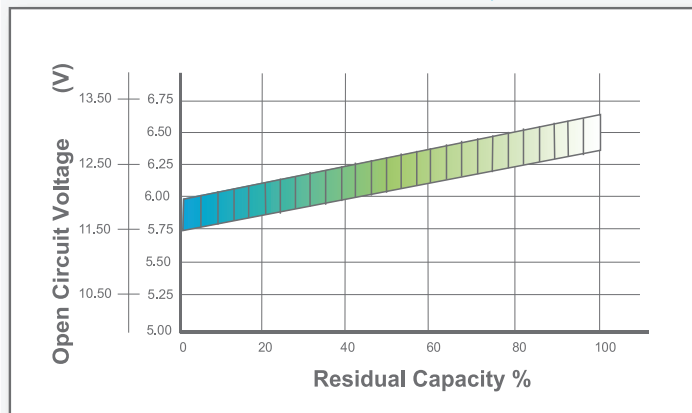
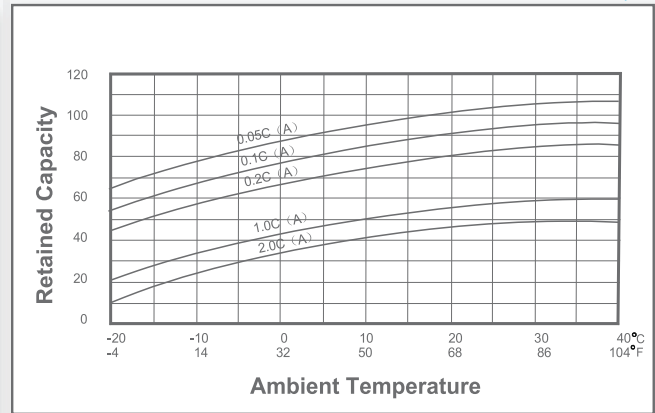
Dimension Type	L	W	H	h	Ø
L3	25.5 mm 1.00 in	7.00 mm 0.28 in	22.0 mm 0.87 in	10.5 mm 0.41 in	8.50 mm 0.34 in

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

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	801.0	428.5	290.4	179.9	87.5	71.60	46.20	31.60	26.36	13.54
1.67V	776.0	408.0	276.1	171.0	83.5	69.80	45.10	31.10	25.89	13.40
1.70V	750.0	392.6	264.9	164.1	81.5	68.70	44.60	30.80	25.53	13.31
1.75V	723.0	373.3	251.8	156.7	79.5	67.00	43.60	30.10	24.80	13.00
1.80V	699.0	351.6	239.9	149.6	77.5	64.60	42.40	29.00	24.21	12.81

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

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	8264	4894.4	3281.0	1972.4	961.0	826.0	544.8	375.9	311.89	166.59
1.67V	8282	4687.1	3169.6	1932.0	955.0	814.7	539.0	370.9	309.03	163.53
1.70V	8193	4510.2	3069.0	1875.0	945.0	796.2	531.5	368.3	306.62	161.74
1.75V	8112	4339.1	2971.7	1819.7	931.0	778.0	520.0	362.5	301.05	158.08
1.80V	7924	4136.2	2831.4	1779.1	916.0	760.9 5	508.4	354.8	294.31	153.78

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°C(77°F)	2.45	2.40~2.47	0.30C
Standby	25°C(77°F)	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