



BAT - CG12105H

VALVE REGULATED V.R.L.A. | 10-YEAR WARRANTY
HIGH RATE SERIES | ABSORBED GLASS MAT TECHNOLOGY (A.G.M.)

The BAT-CG12105H series of VRLA batteries is engineered for frequent cyclic discharge. By using strong grids and specially designed active material, the BAT-CG12105H battery offers 30% more cyclic than the standby series. Used for Myers EPS' I, IE, E, C, CIII, CR, and DR emergency lighting power systems.

BAT-CG12105H battery is warranted 1 year full, 9 years prorated.



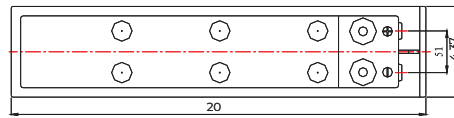
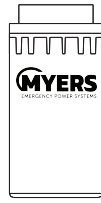
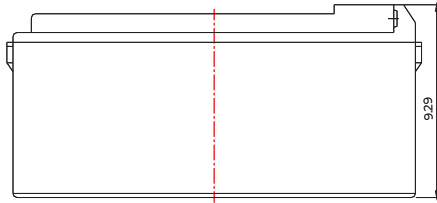
SPECIFICATIONS

Cells Per Unit	6
Voltage Per Unit	12V
Capacity	105Ah @ 10-hr rate to 1.80V per cell at 77°F (25°C)
Weight	Approximately 72lbs (32.5kg) (Tolerance $\pm 2\%$)
Maximum Discharge Current	1050A (5 seconds)
Internal Resistance	Approximately 5 m Ω
Recommended Maximum Charging Current	31.5A
Float Charging Voltage	13.6 to 13.8 VDC / unit Average at 77°F (25°C)
Normal Operating Temperature Range	77°F $\pm 5^\circ$ F (25°C $\pm 3^\circ$ C)
Operating Temperature Range	Discharge: -4°F to 140°F (-20°C to 60°C) Charge: 32°F to 122°F (0°C to 50°C) Storage: -4°F to 140°F (-20°C to 60°C)
Equalization & Cycle Service	14.6 to 14.8 VDC / unit Average at 77°F (25°C)
Self Discharge	VRLA batteries can be stored for more than 6 months at 77°F (25°C). Self-discharge ratio less than 3% per month at 77°F (25°C) Charge batteries before using.
Terminal	Terminal F8
Container Material	A.B.S. UL94-HB, UL94-V0 Optional

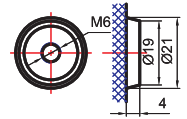
DIMENSIONS

Unit: Inches

Dimensions: 20(L)x4.37(W)x9.29(H)



Terminal F8



CONSTANT CURRENT DISCHARGE CHARACTERISTICS | UNIT: A (77°F, 25°C)

F.V / Time	15 MIN	30 MIN	1 HR	1.5 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR	20 HR
9.60V	181.1	105.5	65.54	49.24	40.46	27.50	22.17	18.41	12.12	10.93	5.78
10.0V	177.4	104.1	64.67	48.41	39.65	26.99	21.86	18.24	12.08	10.32	5.68
10.2V	173.6	102.6	64.05	47.92	39.23	26.75	21.64	18.12	11.97	10.71	5.57
10.5V	165.3	99.7	63.27	47.31	38.72	26.51	21.32	17.97	11.86	10.61	5.46
10.8V	152.4	96.4	62.39	46.80	38.40	26.20	20.59	17.88	11.81	10.51	5.40
11.1V	136.7	92.8	60.91	45.27	36.85	25.69	20.29	17.75	11.72	10.39	5.19

CONSTANT CURRENT DISCHARGE CHARACTERISTICS | UNIT: W (77°F, 25°C)

F.V / Time	15 MIN	30 MIN	1 HR	1.5 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR	20 HR
9.60V	1967	1208	759.5	574.1	474.2	323.7	265.4	220.5	145.2	131.0	69.68
10.0V	1939	1195	752.6	567.9	468.4	318.9	261.7	218.5	144.6	130.0	68.47
10.2V	1917	1185	748.1	564.1	465.0	317.5	259.2	217.2	143.5	128.8	67.20
10.5V	1831	1161	743.3	558.6	459.2	314.9	255.7	215.5	142.3	127.6	65.93
10.8V	1709	1133	733.8	553.1	455.8	311.4	247.1	214.5	141.7	126.3	65.29
11.1V	1556	1102	722.8	538.1	438.7	306.2	243.5	213.7	140.7	124.9	62.96