

GGM SERIES—Flat Plate Gel Batteries

GGM-1000 (2V1000AH)

Specifications

Nominal Voltage	2V	
Nominal Capacity	940Ah (8Hr to 1.75 V/cell @ 77°F)	
Dimensions	Length	18.70 inches
	Width	6.89inches
	Height (with Terminal)	13.31 inches
Weight	136.7lbs.	
Container Material	ABS (V0 flame retardant case and cover optional)	
Hardware / Torque Rating	M6 / 35–48 in–lbs.	
Preferred Operating Temp.	68–77 °F	
Operating Temp Range	Discharge:	–15~50°C (5~122°F)
	Charge:	0~40°C (32~104°F)
	Storage:	–15~40°C (32~104°F)
Internal Resistance	Approx. 0.54mOhms	
Max. Discharge Current	800A (5s)	
Float Voltage	2.25V at 77°F	
Equalize Voltage	2.35V at 77°F	
Max. Charge Current Allowed	7000 Amps	
Self Discharge	The GGM series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



Applications

- Telecommunications
- Utility
- UPS
- Oil and gas
- Railways



Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	30 min	45 min	1 min	2h	3h	4h	5h	6h	7h	8h	10h
1.85 V/cell	684.0	521.3	453.0	289.0	220.3	182.5	157.6	136.0	120.4	108.6	93.9
1.80 V/cell	764.0	576.0	500.0	313.0	236.0	193.5	165.6	142.8	126.0	113.9	98.1
1.75 V/cell	840.0	621.3	534.0	331.5	249.3	202.8	172.0	147.8	130.6	117.5	100.0
1.70 V/cell	900.0	660.0	566.0	351.5	259.7	209.3	177.2	153.0	134.9	121.0	102.4
1.65 V/cell	936.0	684.0	586.7	360.5	268.0	214.5	181.0	155.5	136.9	122.8	103.6
1.60 V/cell	\	734.7	623.0	375.0	278.7	222.5	186.6	159.3	139.7	125.0	105.6

Constant Current Discharge (Watts) at 25°C (77°F)

F.V/Time	30 min	45 min	1 min	2h	3h	4h	5h	6h	7h	8h	10h
1.85 V/cell	1307.8	1003.0	875.2	560.4	428.3	356.2	308.7	267.4	237.4	214.5	185.8
1.80 V/cell	1447.0	1097.9	961.0	603.8	457.1	376.2	323.3	279.8	247.5	224.2	193.7
1.75 V/cell	1573.3	1173.7	1021.0	637.8	482.0	392.9	334.2	288.6	255.8	230.9	197.3
1.70 V/cell	1674.0	1242.1	1078.2	673.1	500.4	404.5	343.6	298.2	263.8	237.4	201.8
1.65 V/cell	1717.6	1275.7	1108.9	686.8	514.3	413.3	349.7	302.1	266.9	240.2	203.9
1.60 V/cell	\	1362.8	1171.2	711.0	532.3	427.4	359.4	308.6	271.7	244.1	207.5

T11 Terminal

Unit: mm [inches]

