

# GGM SERIES—Flat Plate Gel Batteries

GGM-100 (2V100AH)

## Specifications

Nominal Voltage	2V	
Nominal Capacity	88Ah (8Hr to 1.75 V/cell @ 77°F)	
Dimensions	Length	6.69 inches
	Width	2.83 inches
	Height (with Terminal)	8.35 inches
Weight	13.67 lbs.	
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. 1.68mOhms	
Max. Discharge Current	800A (5s)	
Float Voltage	2.25V at 77°F	
Equalize Voltage	2.35V at 77°F	
Max. Charge Current Allowed	700 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	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h
1.85 V/cell	74.5	64.6	51.7	41.6	27.3	20.9	17.2	14.7	12.8	10.3	8.67
1.80 V/cell	88.1	75.9	58.9	46.6	29.6	21.7	17.9	15.1	13.1	10.6	8.91
1.75 V/cell	96.4	79.4	62.6	49.0	30.7	23.0	18.3	15.5	13.5	10.8	9.00
1.70 V/cell	102.7	83.3	65.3	50.9	32.0	23.7	18.9	15.9	13.9	11.2	9.19
1.65 V/cell	110.5	88.7	67.1	52.8	32.9	24.7	19.7	16.4	14.3	11.4	9.39
1.60 V/cell	119.3	94.5	70.2	54.9	34.0	25.5	20.4	16.7	14.5	11.5	9.60

Constant Current Discharge (Watts) at 25°C (77°F)											
F.V/Time	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h
1.85 V/cell	139.6	122.8	99.5	80.5	52.8	40.7	33.6	28.8	25.1	20.3	17.2
1.80 V/cell	163.3	142.1	111.9	89.6	57.1	42.1	34.7	29.4	25.6	20.8	17.6
1.75 V/cell	177.1	147.8	118.2	93.7	59.1	44.4	35.5	30.1	26.3	22.0	18.1
1.70 V/cell	187.5	154.0	122.9	96.9	61.3	45.6	36.5	30.9	27.2	22.0	18.1
1.65 V/cell	200.2	162.6	125.1	99.8	62.7	47.5	37.9	31.7	27.9	22.2	18.5
1.60 V/cell	213.9	172.3	130.2	103.2	64.6	48.8	39.2	32.2	28.2	22.5	18.9

### T6 Terminal

Unit: mm [inches]

