

# GGM SERIES—Flat Plate Gel Batteries

GGM-600 (2V600AH)

## Specifications

Nominal Voltage	2V	
Nominal Capacity	564Ah (8Hr to 1.75 V/cell @ 77°F)	
Dimensions	Length	11.81 inches
	Width	6.89 inches
	Height (with Terminal)	13.39 inches
Weight	80.5lbs.	
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. 0.66mOhms	
Max. Discharge Current	800A (5s)	
Float Voltage	2.25V at 77°F	
Equalize Voltage	2.35V at 77°F	
Max. Charge Current Allowed	4200 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	522.0	410.4	312.8	271.8	173.4	132.2	109.5	94.6	81.6	65.2	56.3
1.80 V/cell	599.4	458.4	345.6	300.0	187.8	141.6	116.1	99.4	85.7	68.3	58.9
1.75 V/cell	673.2	504.0	372.8	320.4	198.9	149.6	121.7	103.2	88.7	70.5	60.0
1.70 V/cell	725.4	540.0	396.0	339.6	210.9	155.8	125.6	106.3	91.8	72.6	61.4
1.65 V/cell	754.2	561.6	410.4	352.0	216.3	160.8	128.7	108.6	93.3	73.7	62.2
1.60 V/cell	817.2	600.0	440.8	373.8	225.0	167.2	133.5	112.0	95.6	75.0	63.4

### 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	991.3	784.7	601.8	525.1	336.2	257.0	213.7	185.2	160.4	128.7	111.5
1.80 V/cell	1123.3	868.2	658.7	576.6	362.3	274.3	225.7	194.0	167.9	134.5	116.2
1.75 V/cell	1247.4	944.0	704.2	612.6	382.7	289.2	235.8	200.5	173.1	138.5	118.4
1.70 V/cell	1329.7	1004.4	745.3	646.9	403.9	300.2	242.7	206.2	178.9	142.4	121.1
1.65 V/cell	1366.6	1030.5	765.4	665.3	412.1	308.6	248.0	209.8	181.3	144.1	122.3
1.60 V/cell	1464.4	1093.8	817.7	702.7	426.6	319.4	256.5	215.6	185.2	146.5	124.5

### T11 Terminal Unit: mm [inches]

