

GGM SERIES—Flat Plate Gel Batteries

GGM-150 (2V150AH)

Specifications

Nominal Voltage	2V		
Nominal Capacity	127Ah (8Hr to 1.75 V/cell @ 77°F)		
Dimensions	Length	6.69 inches	
	Width	3.86 inches	
	Height (with Terminal)	8.35 inches	
Weight	19.4 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. 1.32mOhms		
Max. Discharge Current	800A (5s)		
Float Voltage	2.25V at 77°F		
Equalize Voltage	2.35V at 77°F		
Max. Charge Current Allowed	1050 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	117.5	92.3	70.4	61.2	39.0	29.7	24.6	21.3	18.4	14.7	12.7
1.80 V/cell	134.9	103.1	77.8	67.5	42.3	31.9	26.1	22.4	19.3	15.4	13.2
1.75 V/cell	151.5	113.4	83.9	72.1	44.8	33.7	27.4	23.2	20.0	15.9	13.5
1.70 V/cell	163.2	121.5	89.1	76.4	47.5	35.1	28.2	23.9	20.7	16.3	13.8
1.65 V/cell	169.7	126.4	92.3	79.2	48.7	36.2	29.0	24.4	21.0	16.6	14.0
1.60 V/cell	183.9	135.0	99.2	84.1	50.6	37.6	30.0	25.2	21.5	16.9	14.3

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	223.0	176.6	135.4	118.2	75.7	57.8	48.1	41.7	36.1	29.0	25.1
1.80 V/cell	252.7	195.3	148.2	129.7	81.5	61.7	50.8	43.6	37.8	30.3	26.2
1.75 V/cell	280.7	212.4	158.4	137.8	86.1	65.1	53.0	45.1	39.0	31.2	26.6
1.70 V/cell	299.2	226.0	167.7	145.6	90.9	67.6	54.6	46.4	40.3	32.0	27.2
1.65 V/cell	307.5	231.9	172.2	149.7	92.7	69.4	55.8	47.2	40.8	32.4	27.5
1.60 V/cell	329.5	246.1	184.0	158.1	96.0	71.9	57.7	48.5	41.7	33.0	28.0

T7 Terminal

Unit: mm [inches]

