

GGM SERIES—Flat Plate Gel Batteries

GGM-400 (2V400AH)

Specifications

Nominal Voltage	2V	
Nominal Capacity	376Ah (8Hr to 1.75 V/cell @ 77°F)	
Dimensions	Length	8.27 inches
	Width	6.89 inches
	Height (with Terminal)	13.35 inches
Weight	60.6lbs.	
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. 0.84mOhms	
Max. Discharge Current	800A (5s)	
Float Voltage	2.25V at 77°F	
Equalize Voltage	2.35V at 77°F	
Max. Charge Current Allowed	2800 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	348.0	273.6	208.5	181.2	115.6	88.1	73.0	63.0	54.4	43.5	37.6
1.80 V/cell	399.6	305.6	230.4	200.0	125.2	94.4	77.4	66.2	57.1	45.6	39.2
1.75 V/cell	448.8	336.0	248.5	213.6	132.6	99.7	81.1	68.8	59.1	47.0	40.0
1.70 V/cell	483.6	360.0	264.0	226.4	140.6	103.9	83.7	70.9	61.2	48.4	41.0
1.65 V/cell	502.8	374.4	273.6	234.7	144.2	107.2	85.8	72.4	62.2	49.1	41.4
1.60 V/cell	544.8	400.0	293.9	249.2	150.0	111.5	89.0	74.6	63.7	50.0	42.2

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	660.9	523.1	401.2	350.1	224.1	171.3	142.5	123.5	107.0	85.8	74.3
1.80 V/cell	748.9	578.8	439.1	384.4	241.5	182.9	150.5	129.3	111.9	89.7	77.5
1.75 V/cell	831.6	629.3	469.5	408.4	255.1	192.8	157.2	133.7	115.4	92.4	78.9
1.70 V/cell	886.4	669.6	496.8	431.3	269.2	200.2	161.8	137.4	119.3	95.0	80.7
1.65 V/cell	911.1	687.0	510.3	443.6	274.7	205.7	165.3	139.9	120.9	96.1	81.6
1.60 V/cell	976.3	729.2	545.1	468.5	284.4	212.9	171.0	143.8	123.5	97.7	83.0

T11 Terminal

Unit: mm [inches]

