

GGM SERIES—Flat Plate Gel Batteries

GGM-800 (2V800AH)

Specifications

Nominal Voltage	2V		
Nominal Capacity	752Ah (8Hr to 1.75 V/cell @ 77°F)		
Dimensions	Length	16.14 inches	
	Width	6.89 inches	
	Height (with Terminal)	13.39 inches	
Weight	121.05lbs.		
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. 0.6mOhms		
Max. Discharge Current	800A (5s)		
Float Voltage	2.25V at 77°F		
Equalize Voltage	2.35V at 77°F		
Max. Charge Current Allowed	5600 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	696.0	547.2	417.1	362.4	231.2	176.3	146.0	126.1	108.8	86.9	75.1
1.80 V/cell	799.2	611.2	460.8	400.0	250.4	188.8	154.8	132.5	114.3	91.1	78.5
1.75 V/cell	897.6	672.0	497.1	427.2	265.2	199.5	162.2	137.6	118.3	94.0	80.0
1.70 V/cell	\	720.0	528.0	452.8	281.2	207.7	167.4	141.8	122.4	96.8	81.9
1.65 V/cell	\	748.8	547.2	469.3	288.4	214.4	171.6	144.8	124.4	98.2	82.9
1.60 V/cell	\	800.0	587.7	498.4	300.0	222.9	178.0	149.3	127.5	100.0	84.5

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	1321.7	1046.2	802.4	700.2	448.3	342.7	285.0	247.0	213.9	171.6	148.7
1.80 V/cell	1497.7	1157.6	878.3	768.8	483.0	365.7	300.9	258.6	223.8	179.4	155.0
1.75 V/cell	1663.3	1258.7	939.0	816.8	510.2	385.6	314.3	267.4	230.9	184.7	157.8
1.70 V/cell	\	1339.2	993.7	862.6	538.5	400.3	323.6	274.9	238.6	189.9	161.5
1.65 V/cell	\	1374.0	1020.5	887.0	549.4	411.4	330.7	279.8	241.7	192.2	163.1
1.60 V/cell	\	1458.4	1090.2	937.0	568.8	425.8	341.9	287.5	246.9	195.3	166.0

T11 Terminal

Unit: mm [inches]

