

stored energy solutions for a demanding world



## Model: **GFM1000**

## **GFM Series**

The GFM range of gel technology batteries offers outstanding performance including a 15+ years design life. The GFM series is designed by using the polymer gel electrolyte and compliant with the latest IEC60896-21/22 standard. This GFM series also offers 100% capacity out of the box and is capable of handling deep discharges for complete peace of mind. The multiple installations to both horizontally and vertically are easily accessible due to the flexible connectors design.



### Specifications

Battery Model	GFM1000			
Nominal Voltage	2V			
Capacity (25°C)	10HR (100A, 1. 80V)	3HR (250A, 1. 80V)		1HR (550A, 1. 75V)
	1000AH	750AH		550AH
Dimensions	Length	Width	Height	Total Height
	186mm	229mm	555mm	566mm
Approx. Weight	62. 8kg			
Internal Resistance	0.18mΩ			
Max Charge Current Allowed	250A			
Charge Voltage (25°C)	Cycle use		Float use	
	2. 35V/cell		2. 25V/cell	
Temperature Ranges	Operation (maximum):		-40°C to 55°C(-40°F to 131°F)	
	Operation (recommended):		15°C to 25°C(59°F to 77°F)	
	Storage:		-20°C to 40°C(-4°F to 104°F)	
Terminal	M8 Female			
Terminal Hardware Torque	15 ± 1. 0Nm			
Container Material	ABS (V0 optional)			

### Constant Current Discharge Characteristics Units: Amperes (25°C, 77°F)

End voltage per cell	5min	15min	30min	1hr	2hr	3hr	5hr	6hr	8hr	10hr	24hr	48hr	100hr
1. 60V	1455. 0	1224. 3	994. 9	655. 6	403. 7	296. 4	192. 8	166. 1	130. 1	106. 6	49. 4	26. 4	14. 8
1. 65V	1364. 4	1152. 4	907. 3	618. 8	392. 3	288. 4	190. 4	164. 2	128. 9	106. 0	48. 7	26. 2	14. 6
1. 70V	1282. 3	1090. 5	829. 7	588. 0	378. 8	275. 5	185. 7	160. 2	127. 1	104. 4	48. 5	26. 0	14. 4
1. 75V	1209. 6	1026. 4	765. 1	551. 2	364. 9	269. 2	182. 5	157. 8	125. 3	103. 5	48. 1	25. 7	14. 0
1. 80V	1142. 8	957. 3	716. 3	523. 0	353. 9	260. 8	177. 1	153. 6	122. 0	102. 1	47. 1	25. 2	13. 5
1. 85V	981. 2	814. 2	629. 8	465. 6	319. 0	241. 4	167. 1	146. 3	118. 0	97. 9	45. 7	24. 0	13. 1
1. 90V	803. 6	642. 9	523. 3	382. 7	266. 7	214. 6	151. 4	132. 0	106. 4	89. 3	42. 7	22. 4	12. 1

### Discharge Data with Constant Power Units: Watts per cell (25°C, 77°F)

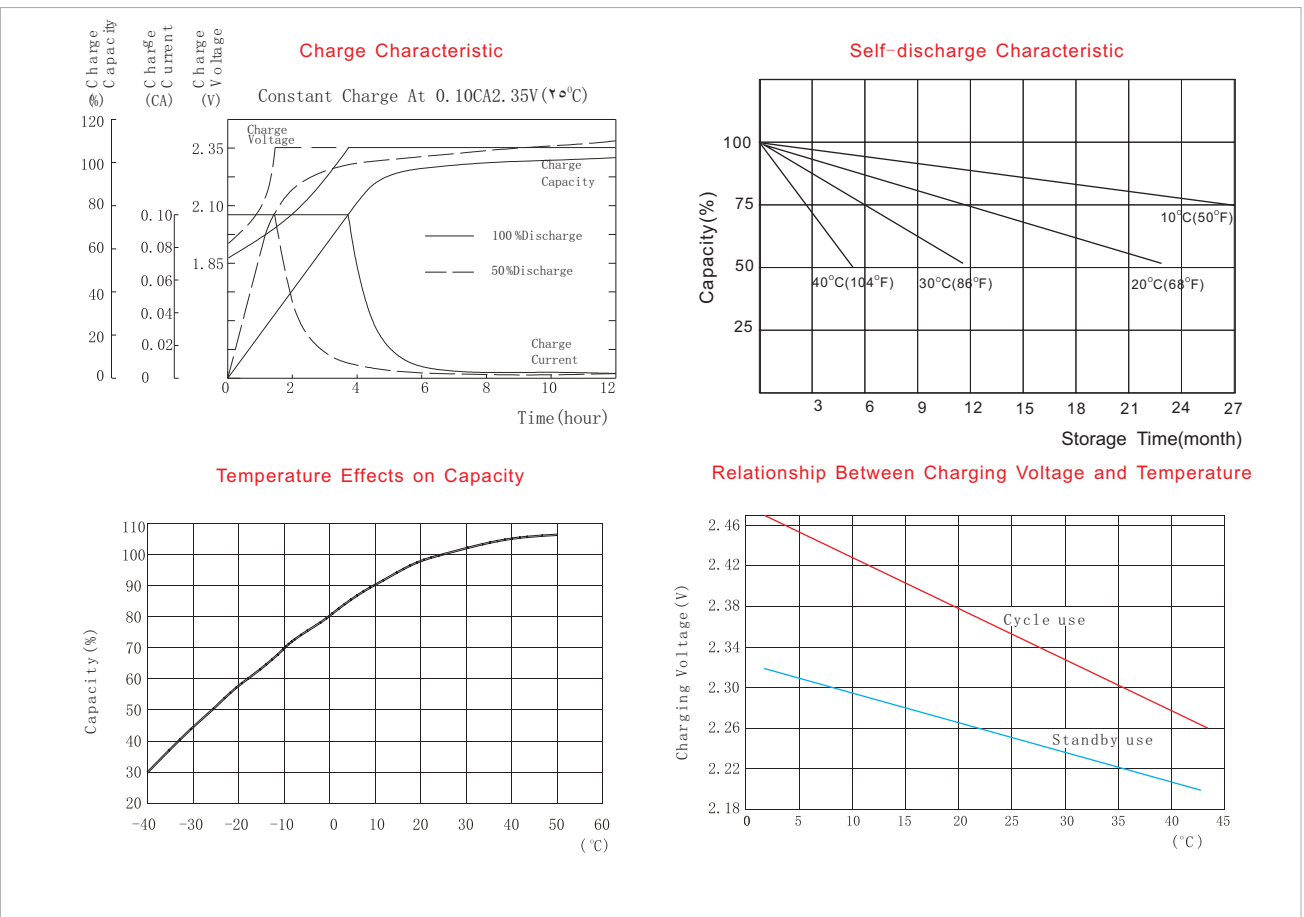
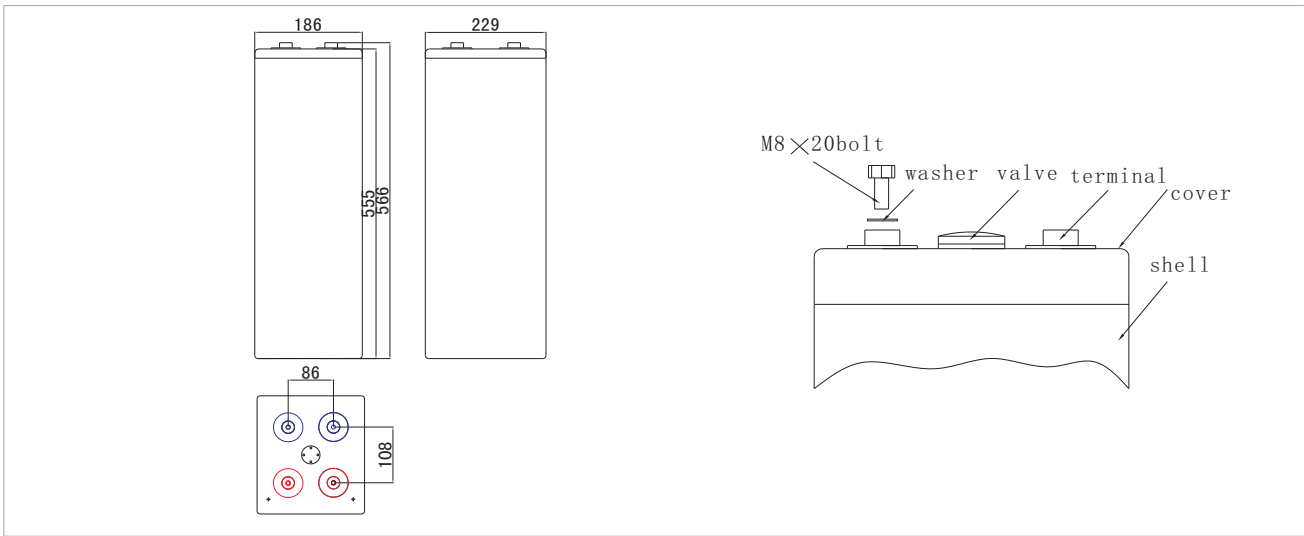
End voltage per cell	5min	15min	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	24hr
1. 60V	2840. 5	2379. 0	1894. 2	1348. 9	870. 3	644. 7	514. 1	425. 8	363. 7	284. 3	232. 1	104. 6
1. 65V	2701. 6	2283. 0	1791. 7	1246. 4	798. 4	605. 0	487. 6	410. 9	352. 1	273. 7	226. 5	102. 7
1. 70V	2597. 3	2202. 0	1747. 0	1186. 9	775. 3	583. 5	471. 1	401. 7	345. 2	267. 8	219. 9	100. 7
1. 75V	2516. 3	2119. 2	1687. 4	1140. 6	747. 8	562. 0	461. 2	391. 8	337. 2	257. 9	216. 5	99. 7
1. 80V	2446. 8	2020. 0	1627. 9	1114. 1	733. 9	542. 2	446. 3	380. 9	327. 3	251. 3	213. 2	98. 2
1. 85V	2225. 1	1839. 6	1447. 6	1013. 3	674. 4	513. 4	429. 1	363. 0	309. 9	243. 0	205. 0	94. 2
1. 90V	1963. 7	1596. 5	1220. 9	872. 8	585. 2	476. 1	399. 5	339. 2	289. 6	227. 3	190. 1	88. 3

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