

stored energy solutions for a demanding world



Model: **GFM800**

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	GFM800			
Nominal Voltage	2V			
Capacity (25°C)	10HR (80A, 1. 80V)	3HR (200A, 1. 80V)		1HR (440A, 1. 75V)
	800AH	600AH		440AH
Dimensions	Length	Width	Height	Total Height
	154mm	229mm	555mm	566mm
Approx. Weight	52. 7kg			
Internal Resistance	0. 22mΩ			
Max Charge Current Allowed	200A			
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	1164. 0	979. 5	795. 9	524. 5	323. 0	237. 1	155. 0	133. 6	104. 6	85. 7	39. 7	21. 2	11. 9
1. 65V	1091. 5	921. 9	725. 9	495. 1	313. 8	230. 7	153. 1	132. 0	103. 7	85. 3	39. 2	21. 1	11. 7
1. 70V	1025. 9	872. 4	663. 8	470. 4	303. 0	220. 4	149. 3	128. 8	102. 2	83. 9	39. 0	20. 9	11. 5
1. 75V	967. 7	821. 1	612. 1	441. 0	291. 9	215. 3	146. 7	126. 9	100. 8	83. 2	38. 7	20. 6	11. 2
1. 80V	914. 2	765. 8	573. 1	418. 4	283. 1	208. 6	142. 4	123. 5	98. 1	82. 1	37. 8	20. 3	10. 9
1. 85V	784. 9	651. 4	503. 8	372. 5	255. 2	193. 1	134. 4	117. 6	94. 9	78. 8	36. 7	19. 3	10. 5
1. 90V	642. 9	514. 3	418. 7	306. 1	213. 3	171. 7	121. 7	106. 1	85. 6	71. 8	34. 3	18. 0	9. 7

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

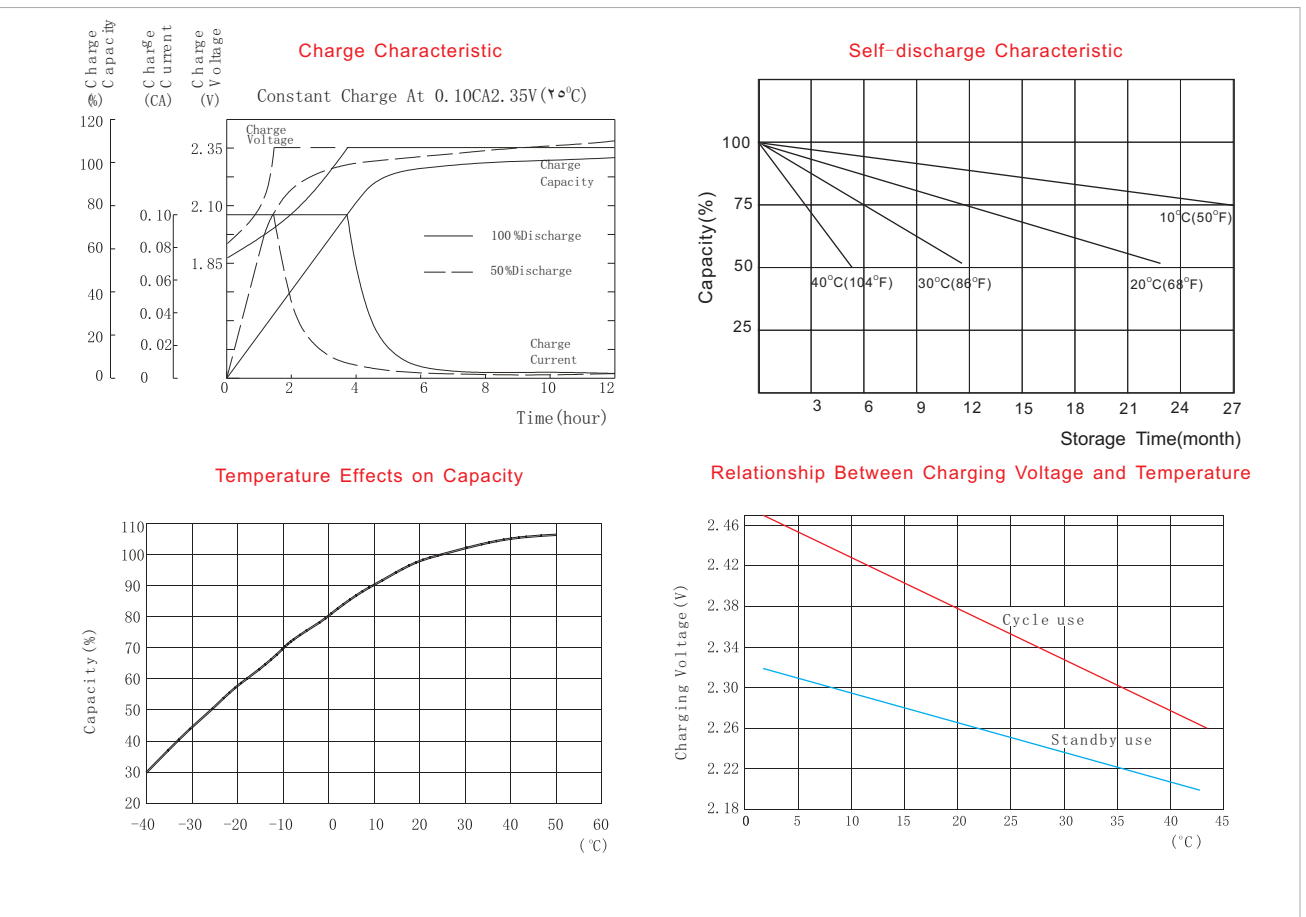
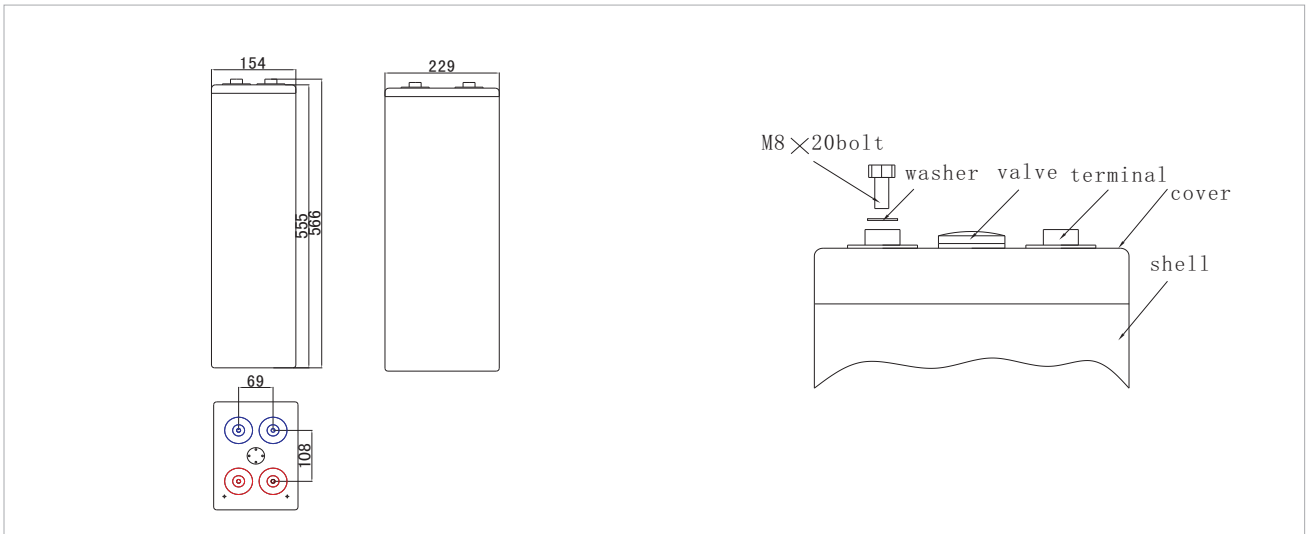
End voltage per cell	5min	15min	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	24hr
1. 60V	2272. 4	1903. 2	1515. 4	1079. 1	696. 3	515. 7	411. 3	340. 7	290. 9	227. 4	185. 7	83. 7
1. 65V	2161. 3	1826. 4	1433. 3	997. 1	638. 7	484. 0	390. 1	328. 8	281. 7	219. 0	181. 2	82. 1
1. 70V	2077. 9	1761. 6	1397. 6	949. 5	620. 2	466. 8	376. 9	321. 3	276. 1	214. 2	175. 9	80. 5
1. 75V	2013. 0	1695. 4	1350. 0	912. 5	598. 3	449. 6	369. 0	313. 4	269. 8	206. 3	173. 2	79. 7
1. 80V	1957. 4	1616. 0	1302. 3	891. 3	587. 2	433. 8	357. 1	304. 7	261. 8	201. 0	170. 6	78. 6
1. 85V	1780. 1	1471. 7	1158. 1	810. 6	539. 5	410. 7	343. 3	290. 4	248. 0	194. 4	164. 0	75. 4
1. 90V	1571. 0	1277. 2	976. 7	698. 2	468. 1	380. 9	319. 6	271. 4	231. 7	181. 9	152. 1	70. 6

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