

stored energy solutions for a demanding world



## Model: **GFM400**

## **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	GFM400			
Nominal Voltage	2V			
Capacity (25°C)	10HR (40A, 1. 80V)	3HR (100A, 1. 80V)		1HR (220A, 1. 75V)
	400AH	300AH		220AH
Dimensions	Length	Width	Height	Total Height
	166mm	184. 5mm	360. 5mm	372mm
Approx. Weight	26. 5kg			
Internal Resistance	0. 34mΩ			
Max Charge Current Allowed	100A			
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	695. 2	584. 8	417. 6	264. 0	155. 9	114. 4	77. 6	66. 9	53. 4	44. 3	20. 0	10. 4	5. 6
1. 65V	662. 4	558. 4	400. 0	250. 4	152. 3	111. 6	75. 7	66. 0	52. 7	43. 8	19. 9	10. 3	5. 6
1. 70V	622. 4	533. 6	368. 0	239. 2	146. 7	108. 4	75. 0	65. 2	51. 7	43. 2	19. 8	10. 2	5. 5
1. 75V	580. 8	492. 0	342. 0	228. 0	141. 5	105. 0	72. 9	64. 1	51. 1	42. 6	19. 6	10. 1	5. 3
1. 80V	532. 9	440. 0	320. 0	213. 6	135. 5	101. 8	71. 3	62. 5	50. 1	41. 6	19. 2	9. 9	5. 2
1. 85V	471. 9	390. 1	285. 3	192. 8	122. 2	96. 6	68. 8	60. 5	48. 7	40. 5	18. 6	9. 7	5. 0
1. 90V	400. 8	326. 4	244. 8	171. 2	114. 6	90. 6	66. 3	58. 3	46. 8	39. 1	18. 2	9. 4	4. 8

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

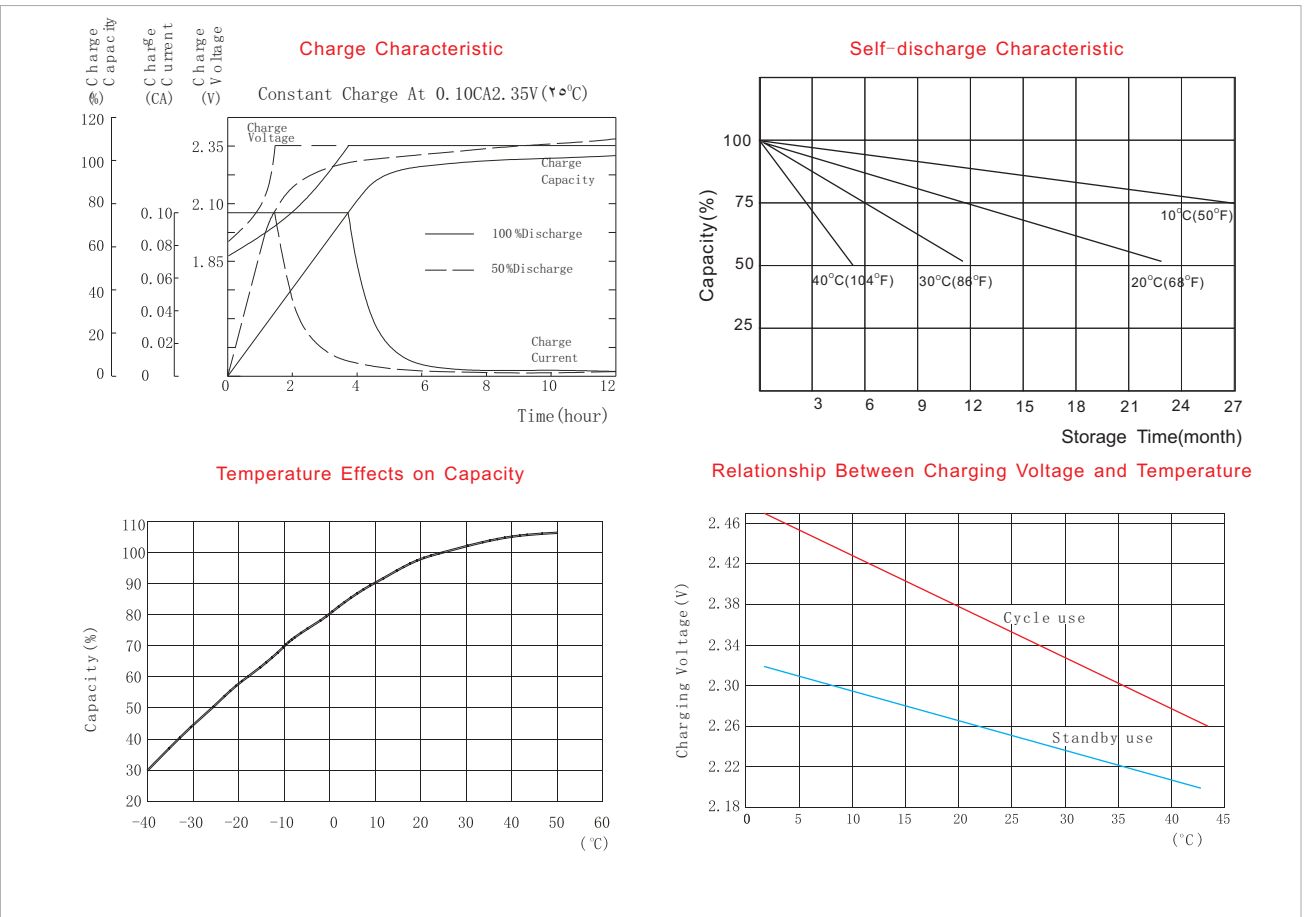
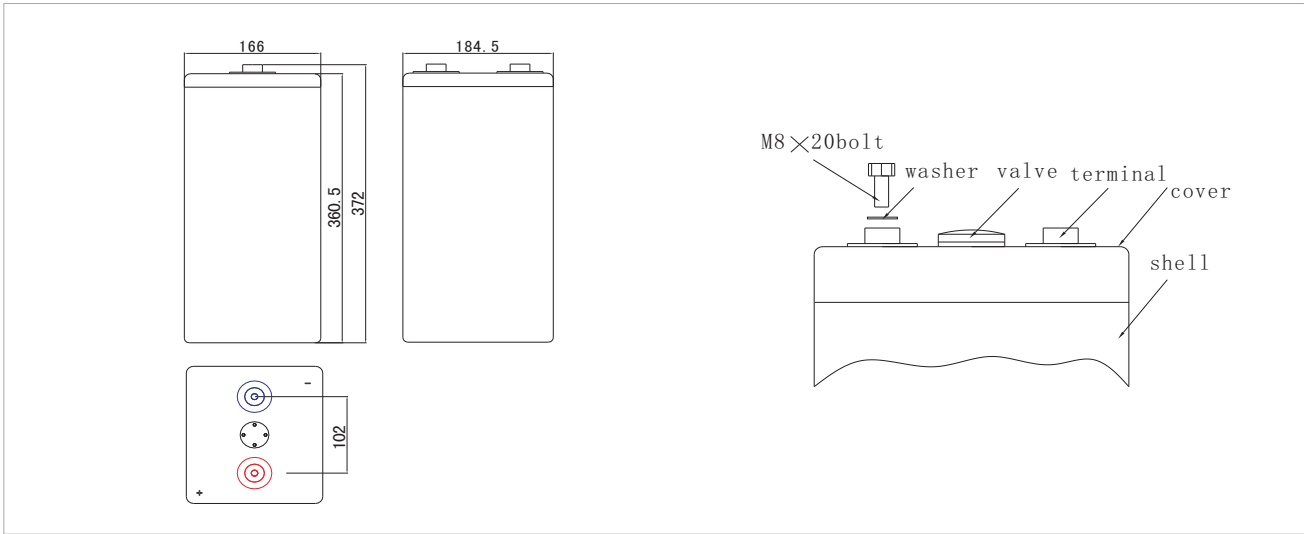
End voltage per cell	5min	15min	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	24hr
1. 60V	1147. 7	961. 2	765. 4	541. 2	349. 2	258. 6	206. 3	170. 8	145. 9	114. 0	93. 1	42. 0
1. 65V	1091. 5	922. 4	723. 9	500. 1	320. 3	242. 7	195. 6	164. 9	141. 3	109. 8	90. 9	41. 2
1. 70V	1049. 4	889. 7	705. 9	476. 2	311. 0	234. 1	189. 0	161. 2	138. 5	107. 4	88. 2	40. 4
1. 75V	1016. 7	856. 3	681. 8	457. 6	300. 0	225. 5	185. 0	157. 2	135. 3	103. 5	86. 9	40. 0
1. 80V	988. 6	816. 2	657. 7	447. 0	294. 5	217. 5	179. 1	152. 8	131. 3	100. 8	85. 6	39. 4
1. 85V	899. 0	743. 3	584. 9	406. 5	270. 6	206. 0	172. 2	145. 6	124. 4	97. 5	82. 2	37. 8
1. 90V	793. 4	645. 0	493. 3	350. 2	234. 8	191. 0	160. 3	136. 1	116. 2	91. 2	76. 3	35. 4

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