

100ah (12V) GFM Deep Cycle GEL Battery

Applications

- Telecommunications
- UPS, Data Center
- Energy Storage, Electric Systems
- Emergency Lighting
- Medical, Electronic Equipment

General Features & Cautions

- Self-discharge rate is extreme
- Wide range of operating temperature
- 100% Sealing and maintenance-free
- Good conductivity
- Excellent charge acceptance
- Safe and reliable explosion-proof exhaust system
- No Spark, Flame or Smoking
- Charge in well ventilated areas
- Read your vehicle booster and battery manuals prior to charging
- In case of exposure to acid, flush immediately with clean water, then request immediate medical assistance
- Keep out of reach of children

Disposal Method

- Dispose at an authorised collection point
- Never dispose with household waste
- Always store and transport batteries in an upright position (free of danger, short-circuits & tipping over)
- During transportation, leave protective cover over the negative terminal
- Transport batteries in appropriate, acid-resistant containers



FLAMMABLE



SHIELD
EYES



KEEP OUT OF THE
REACH OF CHILDREN



CAUTION
SULPHURIC ACID



READ INSTRUCTION
MANUAL CAREFULLY



EXPLOSIVE

100ah (12V) GFM Deep Cycle GEL Battery

Technical Specification

Specifications		
Nominal Voltage	12V	
Rated Capacity	100Ah	
Dimensions	329mm(L) x 172mm(W) x 216mm(H)	
Weight	±28.7Kg	
Terminal	M8	
Container Material	ABS	
Totted Capacity	C20(5.3A 1.80V/cell) C10(10.0A 1.80V/cell) C5 (17.0A 1.80V/cell) C3 (26.0A 1.70V/cell) C1 (60.0A 1.70V/cell)	106.0Ah 100.0Ah 85.0Ah 78.0Ah 60.0Ah
Max. Discharge Current	1000A(5s)	
Internal Resistance (25°C)	Approx. 5.5mΩ	
Operating Temp. Range	Discharge: - 20°C ~55°C Charging: - 0°C ~40°C Storage: - -25°C ~45°C	
Nominal Operating Temp. Range	25±5°C	
Max. Charging Current	25.0A	
Charge Voltage	Float: 13.5V Cycle (Equalization): 14.1~14.1V Temp Coefficient: -5mV/°C	
Effect of Temp. to Capacity	40°C 25°C 0°C	105% 100% 85%

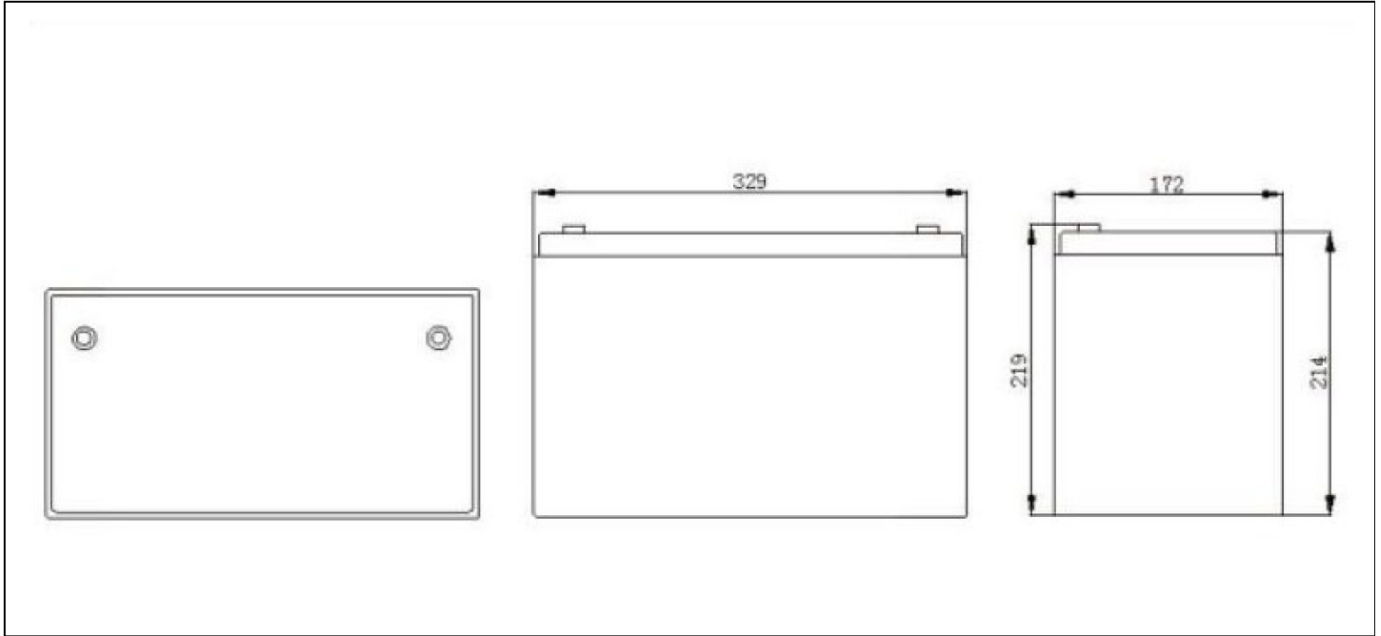
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F.V/Time	10min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	180	97.6	64.2	35.7	27.3	21.8	18.5	12.5	10.6	5.56
10.20V	160	90.3	60.0	34.0	26.0	21.0	17.8	12.1	10.3	5.43
10.50V	150	86.4	57.9	33.0	25.2	20.5	17.4	11.9	10.2	5.35
10.80V	140	82.5	55.8	32.3	24.7	20.0	17.0	11.7	10.0	5.30
11.10V	119	73.2	50.4	29.9	22.9	18.6	15.8	10.9	9.40	5.03

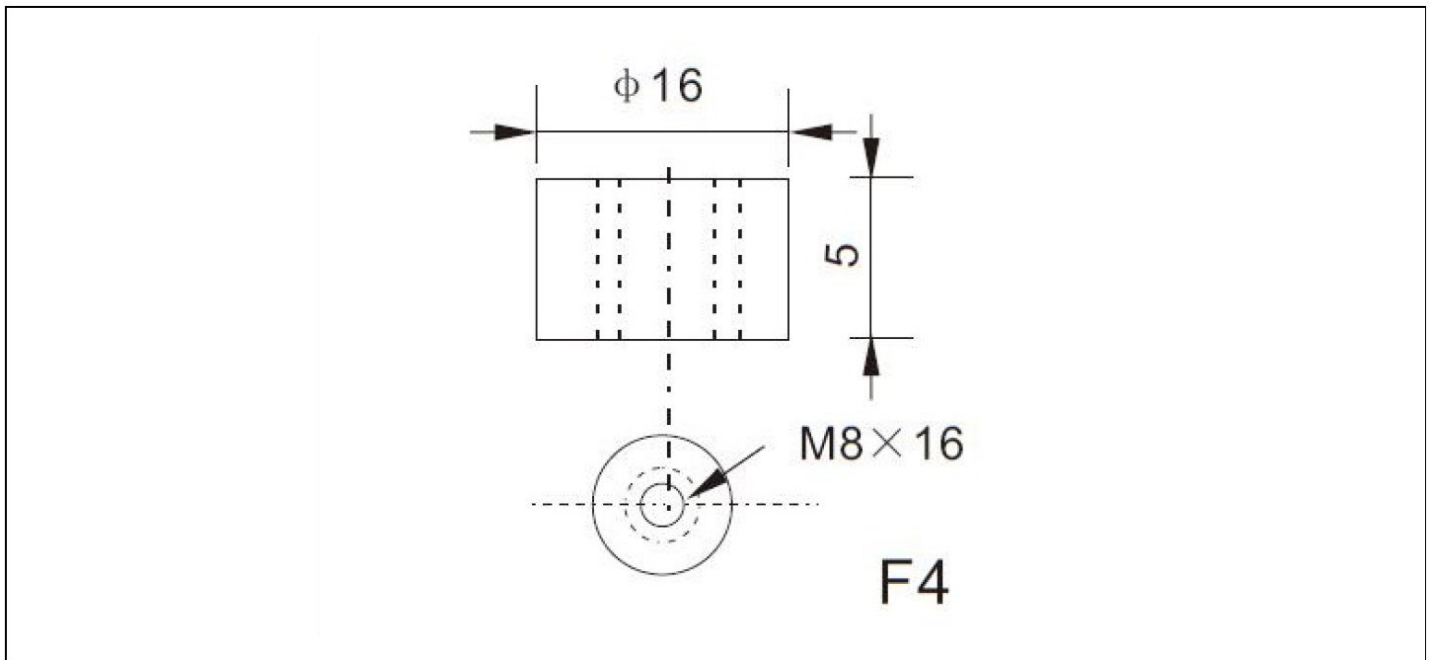
F.V/Time	10min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	1935	1083	725	347	317	255	216	174	124	65.6
10.20V	1768	1020	681	330	302	246	208	142	121	60.1
10.50V	1680	985	660	322	294	241	204	140	120	63.4
10.80V	1589	950	639	316	288	235	200	138	118	63.1
11.10V	1368	850	580	294	268	220	186	129	111	60.1

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Battery Dimensions



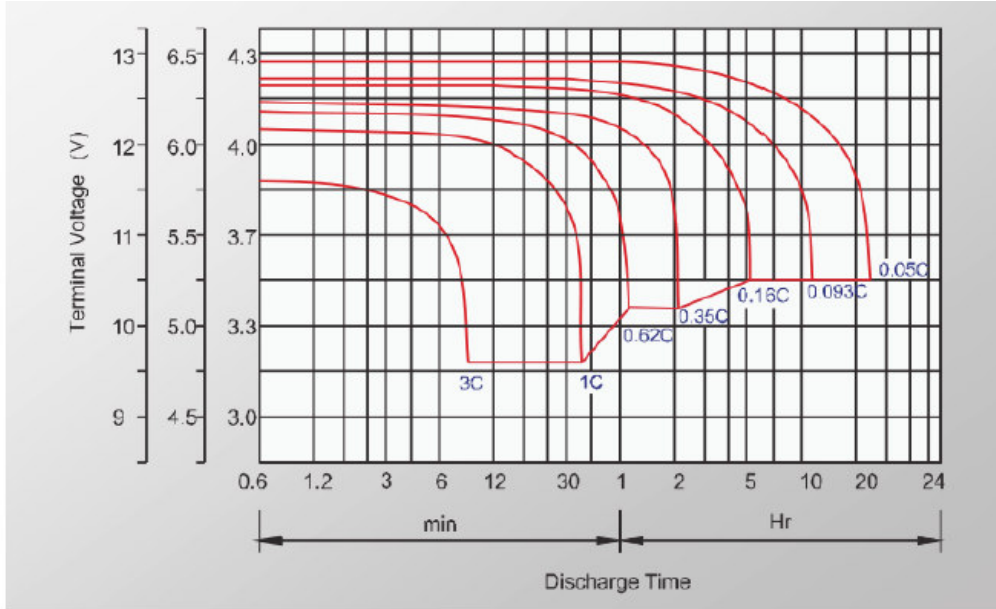
Battery Terminal



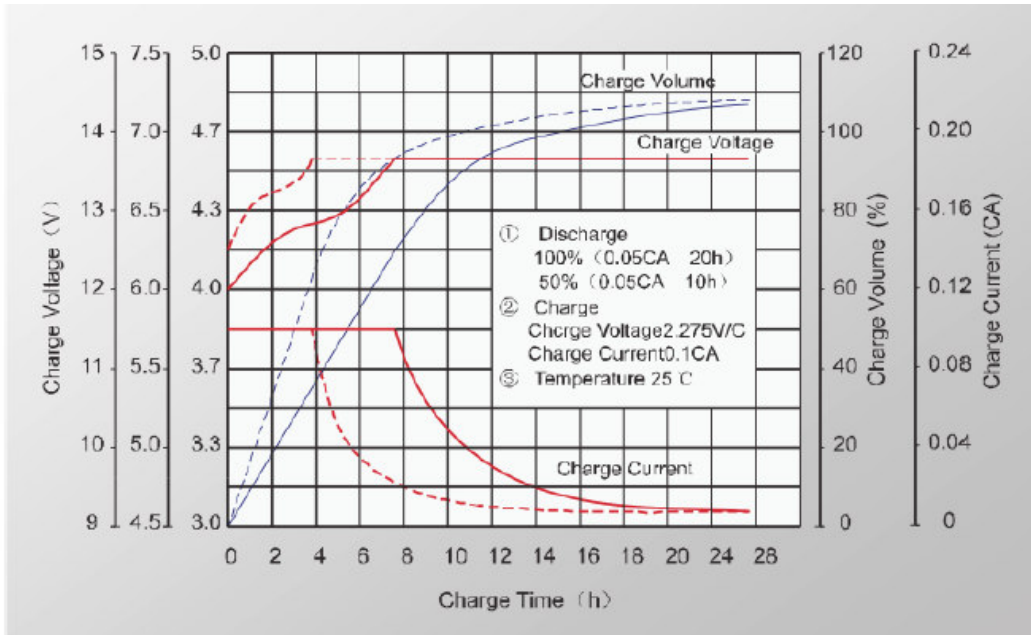
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Technical Diagrams

Discharge Characteristics

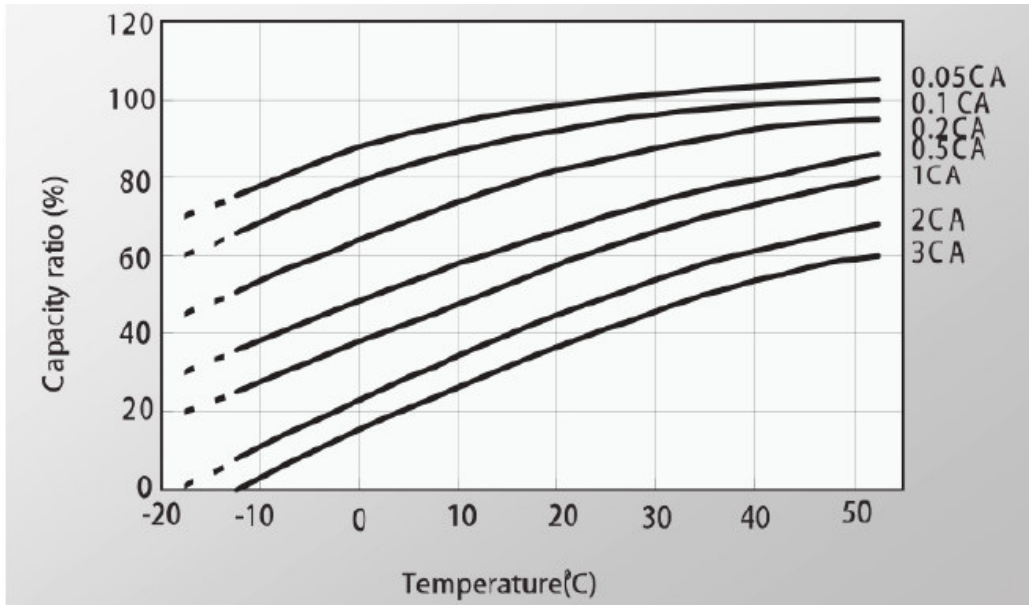


Float Characteristics (Stand-by)

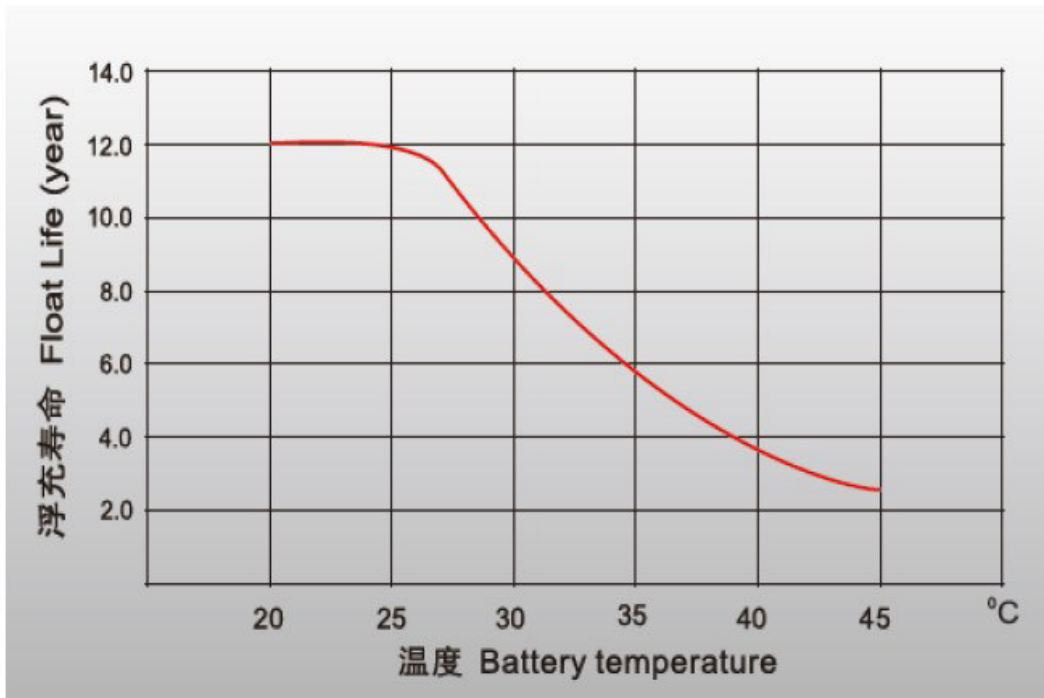


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Temp. Effects in Relation to Battery Capacity



Temp. Effects on Long Float Life



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