

6-GFM Series

VRLA Battery
6-GFM-9



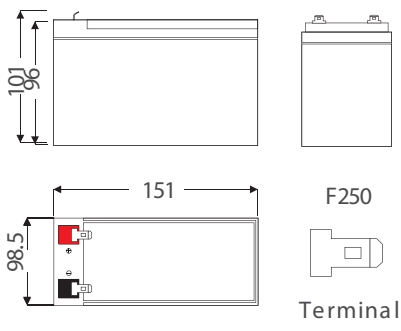
Main Applications

- ▶ UPS/EPS
- ▶ Power systems
- ▶ Telecommunications system
- ▶ Emergency lighting- Auto control system
- ▶ Solar/wind generating storage cyclic
- ▶ Other general purpose

Benefits

- ▶ Optimized capability of instant high-current discharging
- ▶ Excellent deep cycle discharge capability
- ▶ Strong high and low temperature performance
- ▶ Long life

Dimensions



Technical Parameters

Nominal Voltage	12V
Nominal Capacity	9.0Ah
Design life	5 years
Terminal	F250
Approx. Weight	Approx3.10kg (6.83 lbs)
Container Material	ABS
Rated Capacity	9.0 Ah 20Hour Rate (0.45A to 10.5V) 6.99Ah 3Hour Rate (2.33A to 10.5V) 5.94Ah 1Hour Rate (5.94A to 9.60V)
Internal resistance	Full charged at 25°C : 18.0 mΩ
Max. Discharge Current	135A(5S)
Operating Temperature	Discharge: -20 ~50°C (-4 ~ 122°F) Charge : -20 ~50°C (-4 ~ 122°F) Storage: -20 ~50°C (-4 ~ 122°F)
Charge Method (25 °C)	Charge current: Max. 2.25A; Recom.0.90A Float Charge voltage(-3mV/°C): 13.5-13.8V,recom.13.5V(Full floating system) 13.5-13.8V,recom.13.62V(Cycle use system) Equalize charge:13.8-14.1V,recom.14.1V(-4mV/ °C) Cycle charge:14.4-15.0V,recom.14.4V(-5mV/ °C)
Self discharge	3% of capacity declined per month at 25°C

Certification

- ☑ ISO9001: 2008
(NO.03015Q10076R4M)
- ☑ ISO14001: 2004
(NO.03016E10080R2L)
- ☑ GB/T 28001-2011
(NO.03014S10092R2M)

Technical Features

- ▶ High corrosion resistant performance:
Pb-Ca multi-alloy grid
- ▶ High energy density and power density
- ▶ Excellent charge acceptance ability
- ▶ Precision sealing technology

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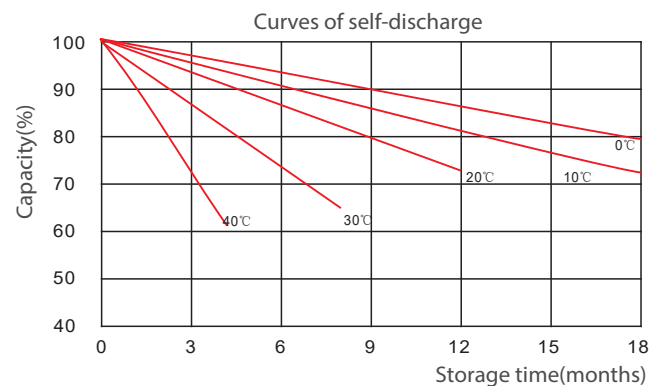
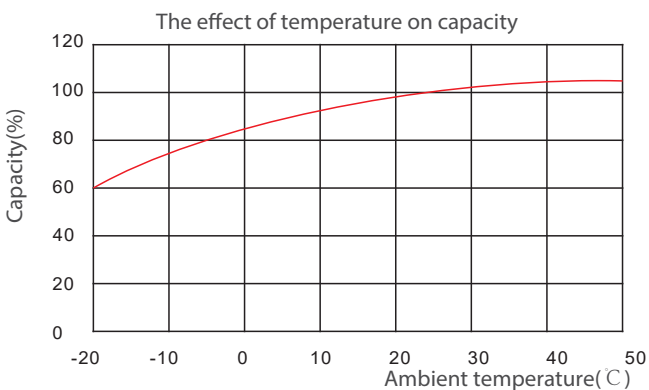
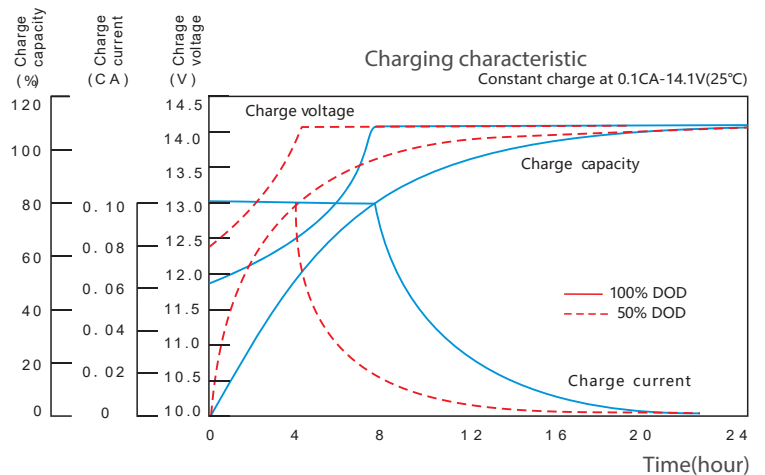
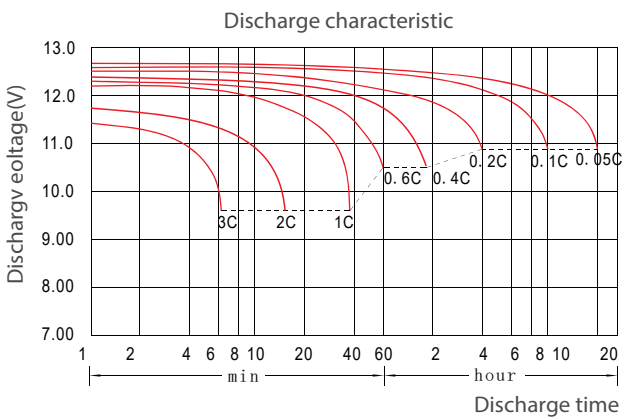
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	5min	10min	15min	30min	1hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
1.60V	39.60	25.90	19.30	12.70	6.60	3.78	2.76	2.21	1.88	1.24	0.993	0.532
1.65V	39.30	24.80	17.70	12.00	6.20	3.63	2.68	2.14	1.84	1.22	0.981	0.523
1.70V	32.20	23.30	16.50	11.60	6.00	3.56	2.63	2.03	1.82	1.20	0.965	0.512
1.75V	29.90	22.20	15.40	11.40	5.79	3.47	2.59	2.00	1.74	1.17	0.942	0.500
1.80V	27.50	20.90	14.30	11.00	5.59	3.38	2.45	1.96	1.67	1.14	0.921	0.484

Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

F.V/Time	5min	10min	15min	30min	1hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
1.60V	74.30	46.70	35.30	21.40	12.10	7.08	5.22	4.18	3.55	2.34	1.92	1.05
1.65V	68.50	44.20	33.20	21.20	11.40	6.82	5.07	4.05	3.48	2.31	1.88	1.02
1.70V	62.70	42.80	31.70	21.20	11.00	6.68	4.98	3.85	3.38	2.28	1.87	1.01
1.75V	56.80	41.50	30.50	20.90	10.70	6.53	4.92	3.80	3.32	2.19	1.82	0.992
1.80V	51.00	40.20	29.20	20.80	10.60	6.48	4.78	3.77	3.23	2.12	1.79	0.985

Performance Curve



***Declaration:**

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