

6-GFM-H Series

High Power Battery
6-GFM-150H



shoto



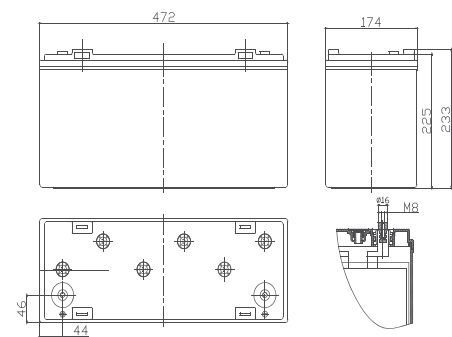
Main Applications

- ▣ IDC and UPS
- ▣ High power & large current application scenarios
- ▣ Backup power for high precision device
- ▣ Emergency lighting, navigation lights

Benefits

- ▣ Specifically designed for high power & large current application scenarios with superior high rate, short term power
- ▣ Designed life of 12 years
- ▣ Low annual operating cost
- ▣ High security, reliability and stability

Dimensions



Technical Parameters

Nominal Voltage	12 V
Capacity	150 Ah @ 10hr to 1.80 V @ 25°C(77°F)
Weight	47 kg (103.6 lbs)
Dimensions	Length: 472 mm(18.58 in) Width: 174 mm (6.85 in) Height: 225 mm (8.86 in) Total height: 233 mm (9.17 in)
Internal Resistance (full charged)	2.7 mΩ
Short-circuit Current	3400 A
Self Discharge @25°C(77°F)	Less than 8% after 90 days storage
Operating Temperature Range	Discharge: -40°C ~ 50°C(-40°F ~ 122°F) Charge: -20°C ~ 45°C(-4°F ~ 113°F) Storage: -20°C ~ 40°C(-4°F ~ 104°F)
Recommended Operating Temperature	15°C ~ 25°C (59°F ~ 77°F)
Recommended Charging Current	22.5 A
Charging Voltage @25°C(77°F)	Float: 2.23 V/cell Equalize: 2.35 V/cell
Terminal	M8
Container Materials	ABS/ABS V0 (Optional)
Capacity Affected Temperature(C ₁₀)	105% @ 40°C (104°F) 85% @ 0°C (32°F) 60% @ -20°C (-4°F)
Design life @25°C(77°F)	12 years

Certification

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

Technical Features

- ▣ Lower internal resistance and voltage drop, suited for high rate discharge applications and high efficient UPS
- ▣ Lower self-discharge rate, better charge acceptability and higher sealing reaction efficiency
- ▣ Exquisite craftsmanship and good coherence of internal resistance, capacity

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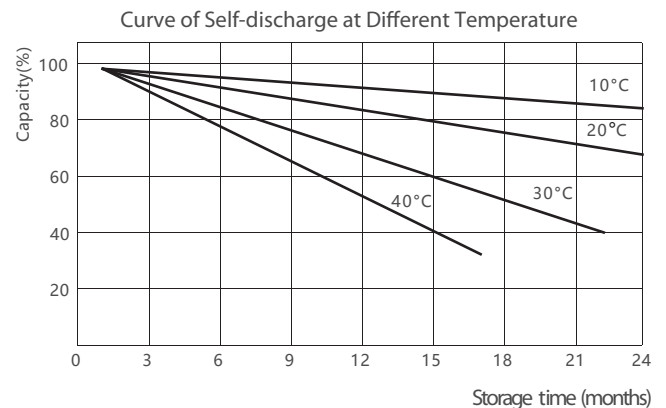
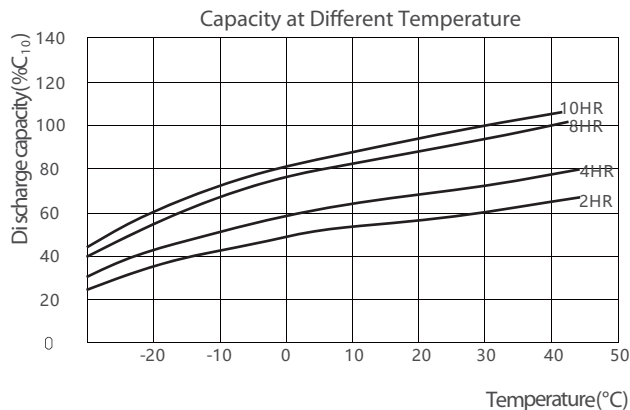
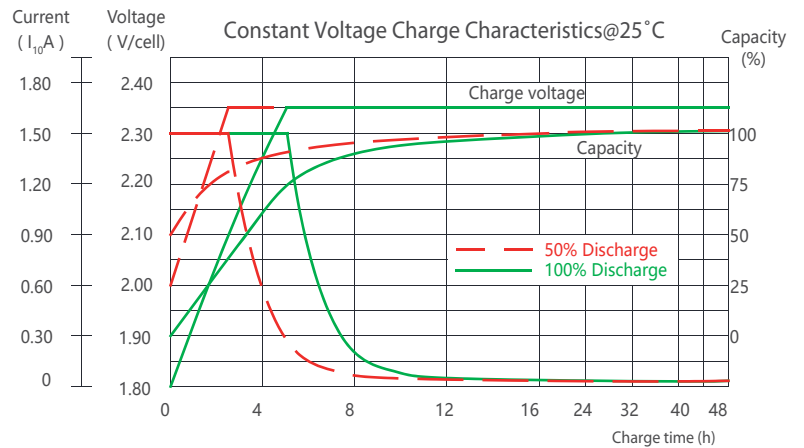
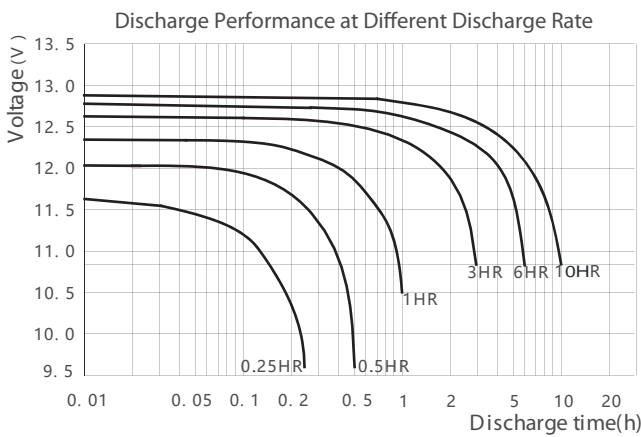
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	5min	10min	15min	30min	1hr	1.5hr	2hr	3hr	6hr	10hr
1.60V	501	390	300	175	98	68.5	58.6	44.0	24.3	15.6
1.67V	458	355	284	167	96	67.4	57.8	43.6	24.1	15.5
1.70V	434	336	256	164	95	66.7	56.4	42.7	23.9	15.4
1.75V	396	310	238	158	93	65.8	55.7	42.1	23.7	15.3
1.80V	355	278	220	150	89	63.2	55.1	41.7	23.5	15.1
1.85V	310	246	190	143	83	58.4	54.0	40.9	23.1	15.0

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

F.V/Time	5min	10min	15min	30min	1hr	1.5hr	2hr	3hr	6hr	10hr
1.60V	897	702	560	331	189	133.6	114.9	86.7	48.1	31.2
1.67V	834	650	550	324	188	132.1	113.9	86.3	48.0	31.1
1.70V	799	622	499	320	187	131.4	111.7	85.0	47.8	31.0
1.75V	733	577	466	310	183	130.3	110.8	84.2	47.6	30.9
1.80V	660	520	433	296	176	125.8	110.2	83.8	47.5	30.7
1.85V	580	462	376	283	165	116.8	108.5	82.6	46.9	30.6

Performance Curve



*Declaration:

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