

6-GFMHR

High Rate Battery

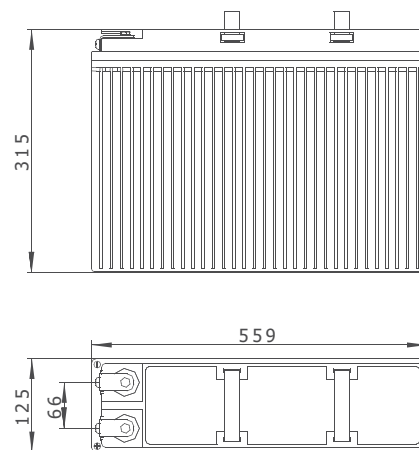
6-GFMHR-630XW



Benefits

- ▶ High rate, can be used in the standby power which less than 15min
- ▶ High consistency, security, reliability and stability
- ▶ Fast charging speed, low self-discharge rate
- ▶ Designed life is 15 years
- ▶ Good anti-high current performance
- ▶ Good anti-over-discharge performance
- ▶ Excellent anti-overcharge performance
- ▶ Good anti-impact performance
- ▶ Excellent anti-vibration performance

Dimensions



Technical Parameters

Nominal Voltage	12 V
Rated Power	630W,15min to 1.67V/cell(25°C)
Weight	57.5 kg(126.77 lbs)
Dimensions	Length: 559 mm (22.01 in) Width: 125 mm (4.92 in) Height: 315 mm (12.40 in)
Internal Resistance (full charged)	2.9 mΩ
Short- circuit Current	2684 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	27 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 by Temperature(C ₁₀)	105% @ 40°C(104°F) 85% @ 0°C(32°F) 60% @ -20°C(-4°F)
Design Life @25°C(77°F)	15 years

Certification

- ISO 9001: 2008
- ISO 14001: 2004
- GB/T 28001- 2011

Technical Features

- ▶ Double-sided smear, cast welding and other processes strengthen the process control and improve battery consistency
- ▶ High-strength ABS material and patented sealing technology ensure the normal use of the battery without leakage, expansion and rupture
- ▶ Corrosion-resistant alloy and stamping process greatly extend the battery life

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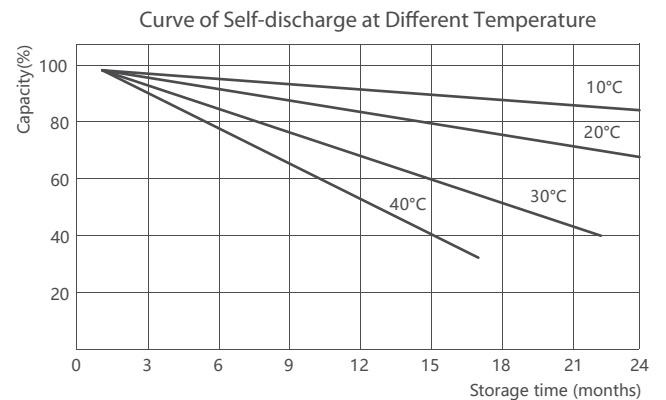
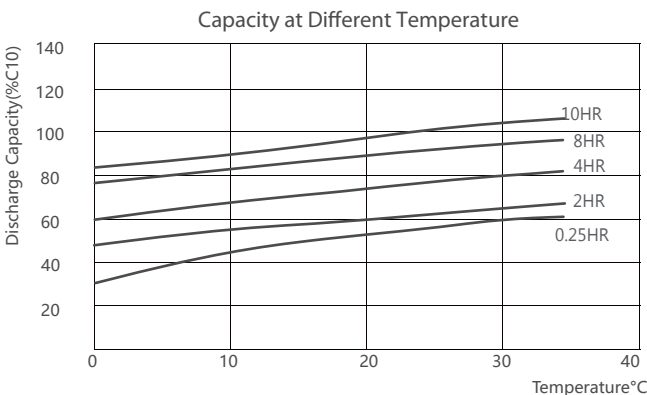
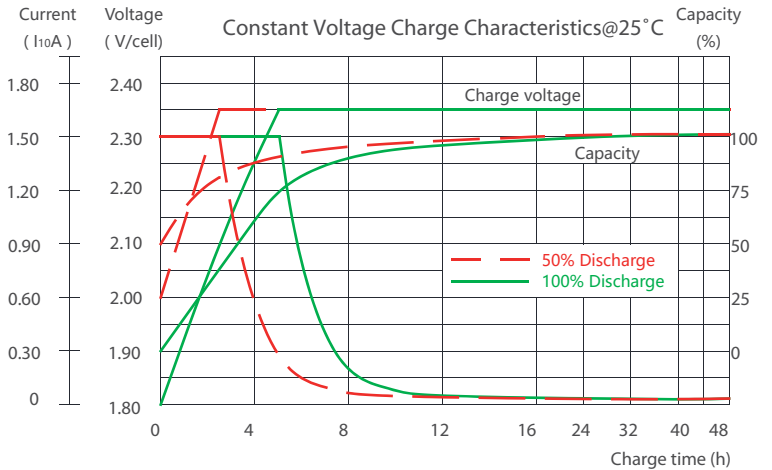
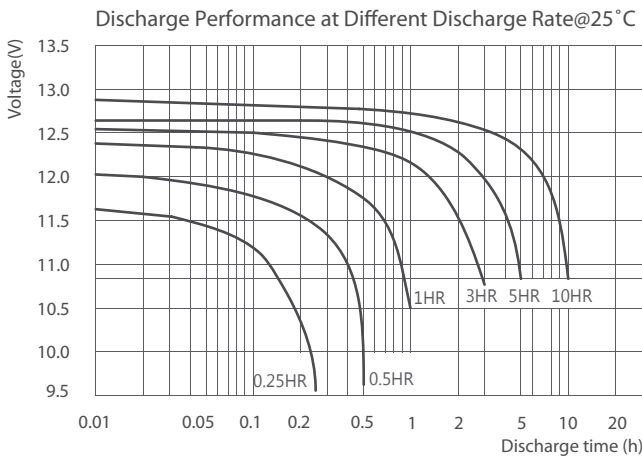
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	5min	10min	15min	20min	25min	30min	1hr	1.5hr	2hr	3hr	6hr	10hr
1.60V	490	370	351	277	238	212	123.9	83.4	72.2	52.1	30.2	18.8
1.67V	472	361	348	275	228	208	121.5	82.2	71.3	51.6	29.9	18.5
1.70V	460	356	345	273	221	204	120.3	79.5	69.5	50.5	29.7	18.4
1.75V	413	351	323	255	209	194	114.4	77.7	68.6	49.8	29.4	18.0
1.80V	382	342	300	237	190	169	111.4	76.0	67.7	49.3	29.0	18.2
1.85V	361	323	273	215	172	156	101.6	72.0	65.9	48.4	27.8	17.9

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

F.V/Time	5min	10min	15min	20min	25min	30min	1hr	1.5hr	2hr	3hr	6hr	10hr
1.60V	813	680	635	490	423	373	224.2	166.0	133.3	103.1	62.9	38.5
1.67V	790	660	630	482	419	370	220.5	163.6	132.1	102.1	62.5	38.2
1.70V	768	650	575	480	417	367	218.1	161.2	129.7	100.2	62.1	37.1
1.75V	715	620	558	475	414	360	215.7	158.7	129.6	99.3	61.6	36.7
1.80V	650	586	500	388	353	319	209.6	157.5	128.4	98.6	61.0	36.5
1.85V	620	550	480	361	331	302	196.3	151.5	127.3	97.7	58.7	36.4

Performance Curve



*Declaration:

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