

6-GFMHR

High Rate Battery

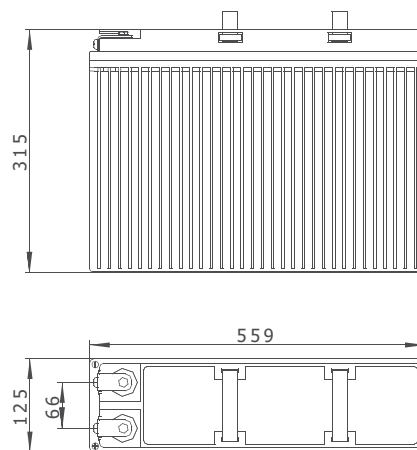
6-GFMHR-700XW



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	700W,15min to 1.67V/cell(25°C)
Weight	60 kg(132.28 lbs)
Dimensions	Length: 559 mm (22.01 in) Width: 125 mm (4.92 in) Height: 315 mm (12.40 in)
Internal Resistance (full charged)	2.8 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	30 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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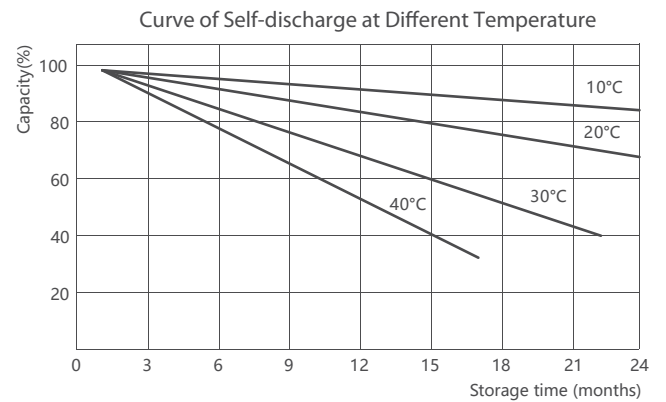
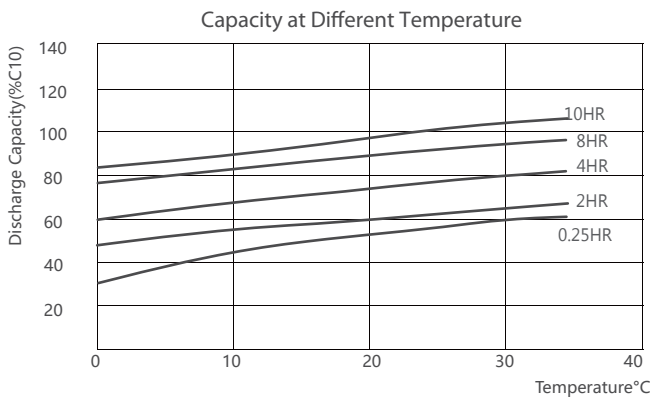
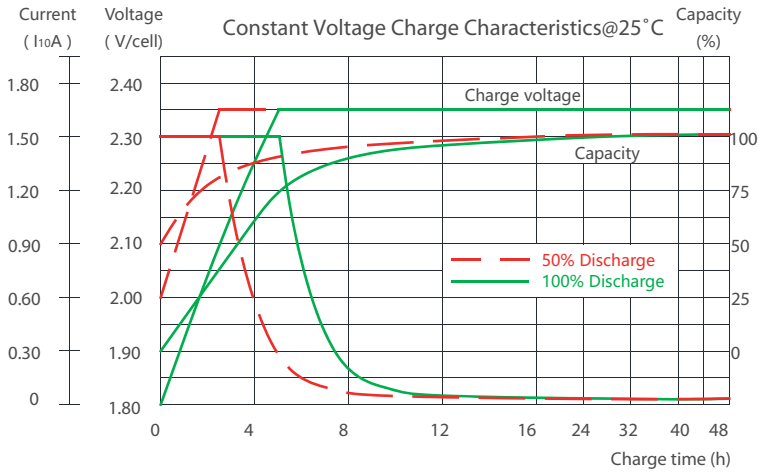
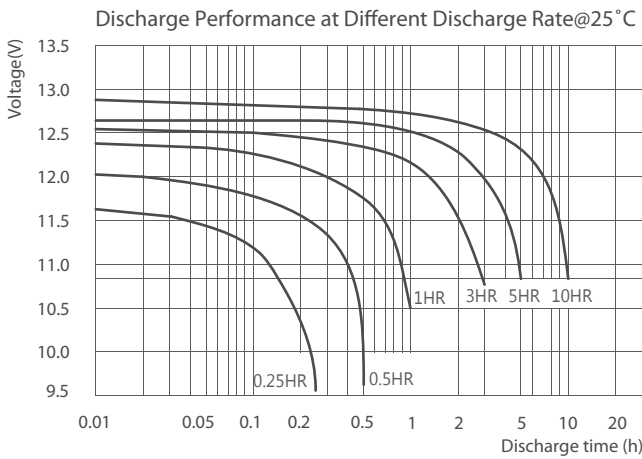
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	5min	10min	15min	20min	25min	30min	1hr	1.5hr	2hr	3hr	6hr	10hr
1.60V	515	390	370	292	250	223	130.4	87.8	76.0	54.8	31.8	21.5
1.67V	497	380	366	289	240	219	127.9	86.5	75.1	54.3	31.5	21.2
1.70V	484	375	364	287	233	214	126.7	83.6	73.2	53.2	31.2	20.9
1.75V	435	370	340	268	220	204	120.4	81.8	72.2	52.4	30.9	20.5
1.80V	403	360	316	249	200	178	117.2	80.0	71.3	51.9	30.5	20.4
1.85V	380	340	287	227	181	164	107.0	75.7	69.4	50.9	29.2	20.3

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	903	810	710	530	470	415	249.1	184.5	148.1	114.6	69.8	42.8
1.67V	877	800	700	526	465	411	245.0	181.8	146.8	113.4	69.4	42.4
1.70V	853	780	680	524	463	408	242.4	179.1	144.1	111.3	69.0	41.2
1.75V	794	730	620	520	460	400	239.7	176.4	144.0	110.3	68.4	40.8
1.80V	746	679	607	431	392	354	232.9	175.0	142.7	109.6	67.7	40.6
1.85V	737	659	570	401	368	335	218.1	168.3	141.4	108.5	65.2	40.4

Performance Curve



*Declaration:

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