

# 6-GFMHR

## High Rate Battery

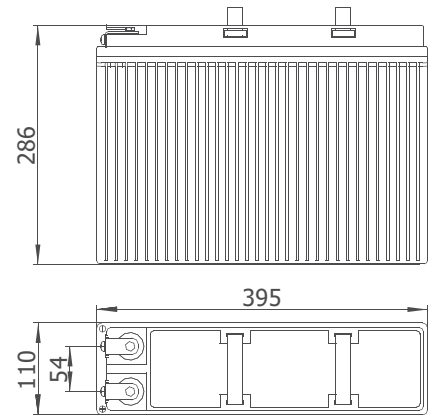
### 6-GFMHR-350XW



### 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	350W,15min to 1.67V/cell( 25°C)
Weight	31 kg (68.34 lbs)
Dimensions	Length: 395 mm (15.55 in) Width: 110 mm (4.33 in) Height: 286 mm (11.26 in)
Internal Resistance (full charged)	3.6 mΩ
Short- circuit Current	1755 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	13.5 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 by Temperature(C <sub>10</sub> )	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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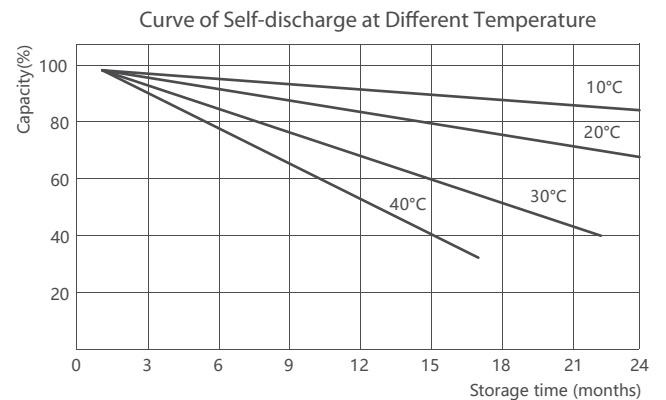
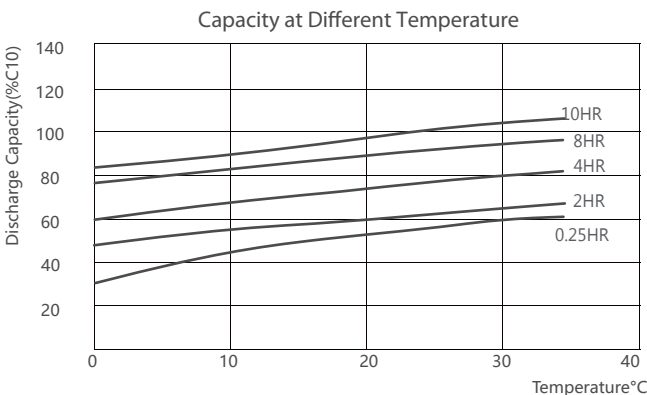
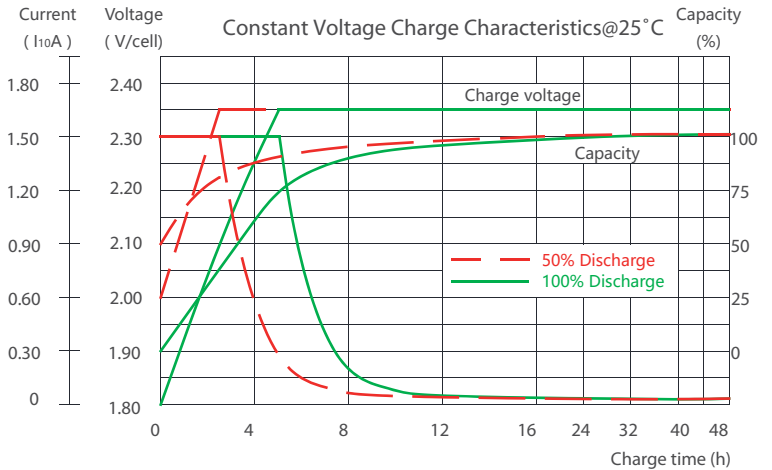
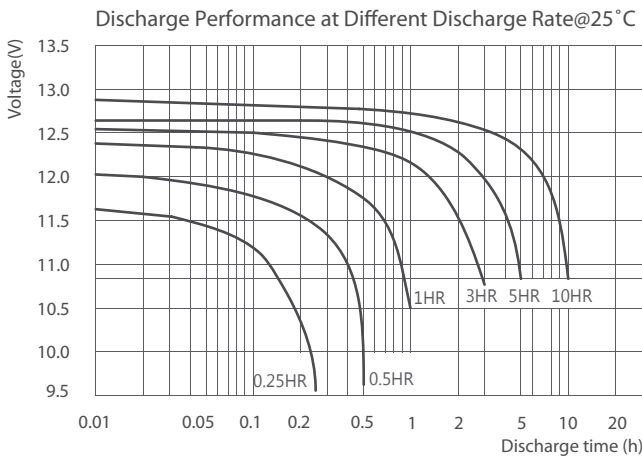
#### Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	5min	10min	15min	20min	25min	30min	1hr	1.5hr	2hr	3hr	6hr	10hr
1.60V	396	275	211	171	137	127	71.8	50.4	39.6	27.0	14.6	9.5
1.67V	356	255	200	163	130	120	68.5	48.6	37.8	26.1	14.5	9.4
1.70V	336	245	192	159	127	117	65.9	45.0	35.1	25.7	14.3	9.3
1.75V	300	227	182	150	124	110	63.2	44.3	34.2	25.4	14.2	9.2
1.80V	264	208	168	138	110	102	59.1	41.9	32.9	25.2	14.0	9.0
1.85V	227	188	162	127	101	94	55.5	40.0	32.4	24.8	13.9	8.9

#### 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	600	450	368	291	254	223	130.4	95.6	75.5	52.5	29.0	19.0
1.67V	590	400	360	286	251	215	125.1	92.6	72.4	51.0	28.9	18.9
1.70V	580	431	355	284	249	211	124.7	86.2	67.6	50.4	28.8	18.8
1.75V	529	411	350	280	248	202	119.9	85.2	66.2	50.1	28.7	18.7
1.80V	472	370	333	250	200	190	112.9	81.1	63.9	50.0	28.5	18.6
1.85V	419	340	315	236	189	178	106.8	77.7	63.3	49.3	28.3	18.4

#### Performance Curve



#### \*Declaration:

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