

6-XFMJ Series

Front-terminal Gel Battery

6-XFMJ-125



Main Applications

- ▶ Floating applications for telecom sites
- ▶ Solar & wind energy storage system
- ▶ Off-grid & Bad-grid hybrid sites
- ▶ UPS and emergency illumination

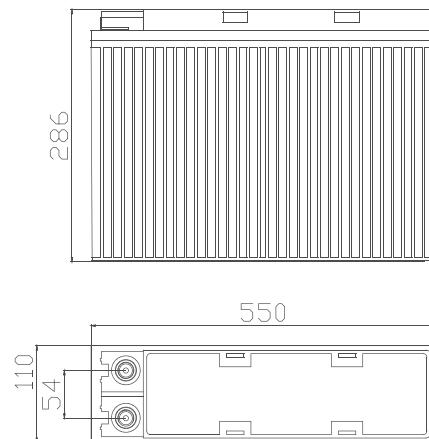
Benefits

- ▶ Long life design for float application, 15years
- ▶ Excellent charge acceptability and deep cycling performance
- ▶ Suitable for 19 inch/23 inch cabinet, reduce the occupied area
- ▶ High performance/price ratio and low annual operating cost

Technical Parameters

Nominal Voltage	12 V
Capacity	125 Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
Weight	45.8 kg(101.0 lbs)
Dimensions	Length: 550 mm (21.65 in) Width: 110 mm (4.33 in) Height: 286 mm (11.26 in)
Internal Resistance (full charged)	5.0 mΩ
Short-circuit Current	2400 A
Self Discharge @25°C(77°F)	Less than 4% after 28 days storage
Operating Temperature Range	Discharge: -20°C ~ 50°C(-4°F ~ 122°F) Charge: -20°C ~ 50°C(-4°F ~ 122°F) Storage: 5°C ~ 40°C(41°F ~ 104°F)
Recommended Operating Temperature	15°C ~ 25°C (59°F ~ 77°F)
Recommended Charging Current	18 A
Charging Voltage @25°C(77°F)	Float: 2.25 V/cell Equalize: 2.35 V/cell
Terminal	M6
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

Dimensions



Certification

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

Technical Features

- ▶ Special gel electrolyte without flowing to avoid acid stratification and can prolong service life
- ▶ Front terminal connections for fast and easy installation and maintenance
- ▶ Excellent discharging ability in low current
- ▶ High stability and security, millions of batteries are in service

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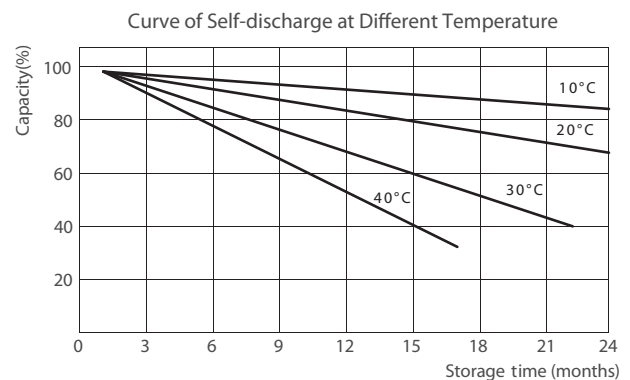
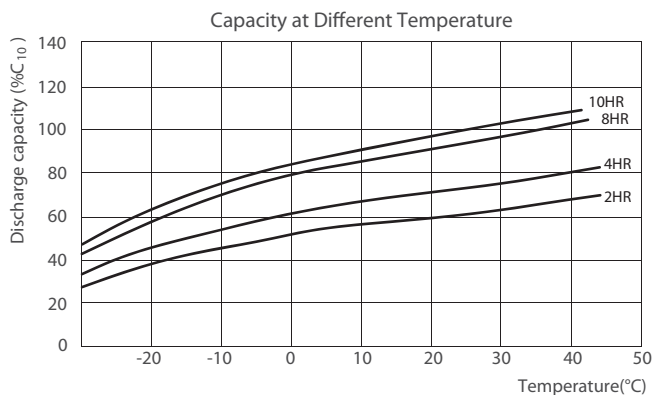
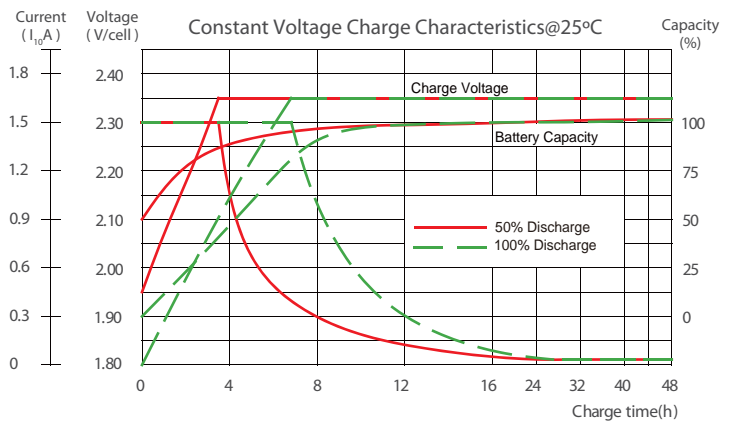
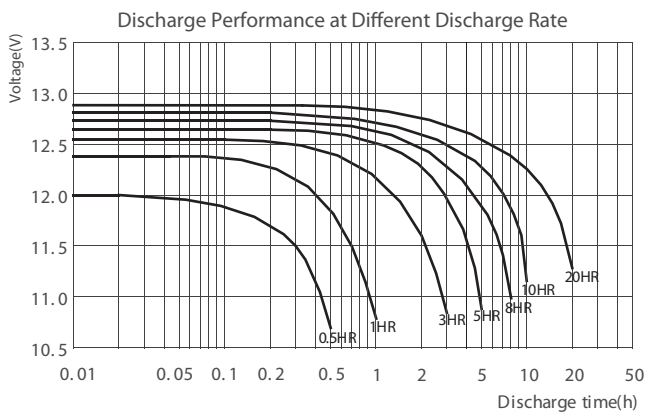
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	1 hr	1.5hr	2hr	3hr	4hr	5hr	8 hr	10 hr	20hr
1.90V	60	42	37.2	26.9	22.6	17.6	14.4	11.6	6.0
1.85V	66	49	39.9	29.8	23.5	18.7	14.8	12.4	6.6
1.80V	73	53	43.8	32.5	24.4	20.7	15.5	13.0	6.9
1.75V	75	56	46.2	33.2	25.0	21.1	15.7	13.3	7.2

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

F.V/Time	1 hr	1.5hr	2hr	3hr	4hr	5hr	8 hr	10 hr	20hr
1.90V	651	488	436	309	261	217	155	150	72
1.85V	709	542	481	339	285	221	160	151	78
1.80V	777	584	501	371	298	241	166	155	81
1.75V	828	675	508	385	311	251	177	164	83

Performance Curve



*Declaration:

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact CHINASHOTO for the latest information.

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