

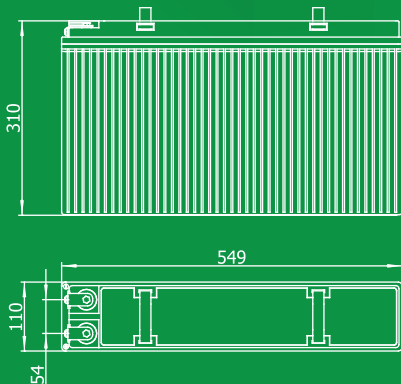
6-FMX Series Front Terminal Battery 6-FMX-150B



power the future



• Dimensions:



• Compliant Standards:

- * IEC60896-22
- * JISC8704-2
- * GB/T 19638.2
- * YD/T799

• Attain Certificate:

- TLC
- ISO9001:2008
- ISO14001:2004
- GB/T 28001-2001
- UL
- CE

• Main Applications

- Telecom Site
- Outdoor Base Station
- Floating Operation site
- UPS

• Benefits

- Front terminal design, easy access for faster installation and maintenance
- Optimal energy density, save floor space
- No leakage and no acid smog spray during the operation

• Technical Features

- Excellent capacity retention rate
- Long life float service design
- Excellent over discharge recovery capability

• Technical Parameters

| | |
|--|--|
| Normal Voltage | 12V |
| Capacity | 150 Ah @ 10hr to 1.80V per cell @ 25°C (77°F) |
| Weight | 48kg(105.82lbs) |
| Dimensions | Length: 549 mm (21.61in) Width: 110 mm (4.33in) Height: 310mm (12.20 in) |
| Internal Resistance (full charged) | 4.2mΩ |
| Short- circuit Current | 2173A |
| Self Discharge @25°C(77°F) | Less than 4% after 30 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 | 30A |
| Charging Voltage @25°C(77°F) | Float: 2.23 V/cell Equalize: 2.35 V/cell |
| Terminal | M6 |
| Capacity Affected by Temperature(C ₁₀) | 103 % @ 40°C(104°F) 85 % @ 0°C(32°F) 60 % @ -20°C(-4°F) |
| Design Life @25°C(77°F) | 12 years |

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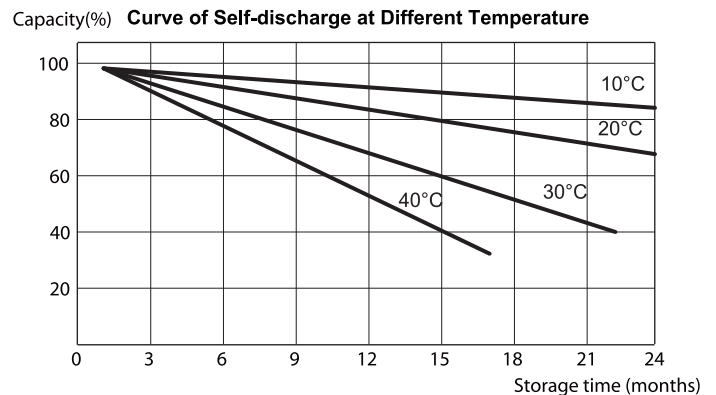
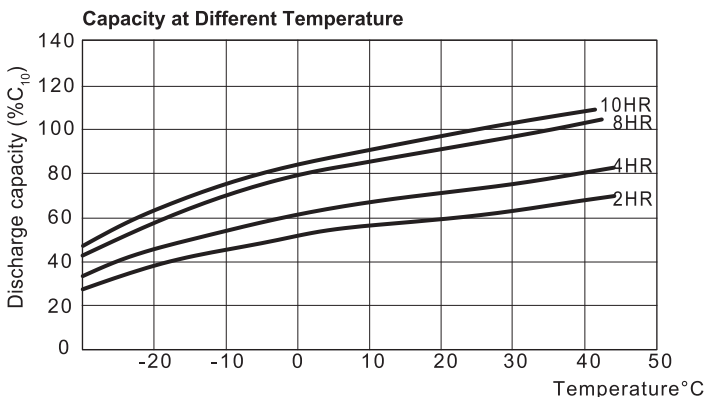
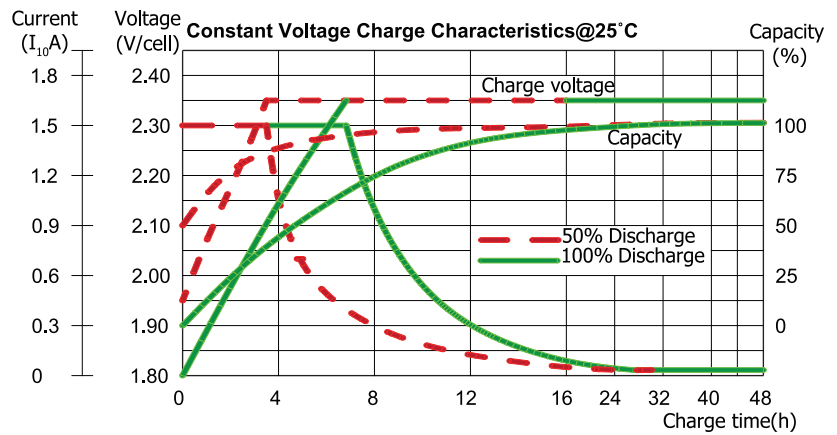
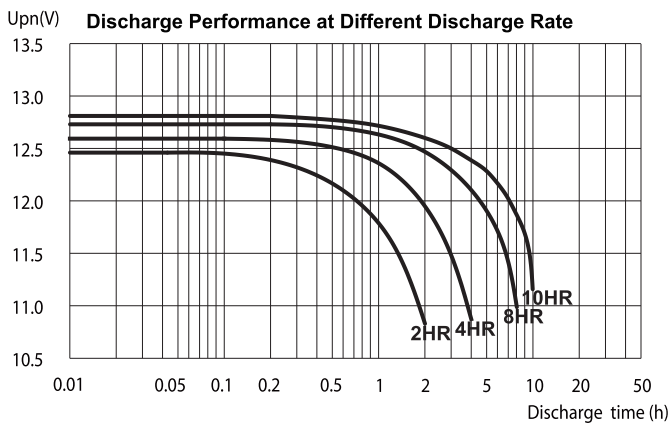
• Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

| F.V/Time | 30min | 1hr | 2hr | 3hr | 4hr | 5hr | 6hr | 8hr | 10hr | 12hr |
|----------|-------|------|------|------|------|------|------|------|------|------|
| 1.70V | 158.7 | 88.4 | 53.8 | 38.0 | 30.4 | 25.8 | 22.7 | 18.3 | 15.2 | 12.7 |
| 1.75V | 150.0 | 85.6 | 53.1 | 37.8 | 30.2 | 25.7 | 22.5 | 18.2 | 15.1 | 12.6 |
| 1.80V | 142.0 | 83.8 | 52.5 | 37.5 | 30.0 | 25.5 | 22.3 | 18.1 | 15.0 | 12.5 |
| 1.83V | 135.8 | 80.2 | 51.8 | 37.3 | 29.8 | 25.3 | 22.2 | 18.0 | 14.9 | 12.4 |
| 1.85V | 131.0 | 77.9 | 51.3 | 37.0 | 29.6 | 25.2 | 22.1 | 17.9 | 14.8 | 12.3 |

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

| F.V/Time | 30min | 1hr | 2hr | 3hr | 4hr | 5hr | 6hr | 8hr | 10hr | 12hr |
|----------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.70V | 287.7 | 164.2 | 103.1 | 74.3 | 59.6 | 51.3 | 44.7 | 36.6 | 30.4 | 25.4 |
| 1.75V | 275.7 | 161.3 | 102.3 | 74.2 | 59.5 | 51.1 | 44.4 | 36.4 | 30.2 | 25.3 |
| 1.80V | 263.8 | 159.5 | 101.7 | 74.1 | 59.4 | 51.0 | 44.0 | 36.3 | 30.1 | 25.2 |
| 1.83V | 255.1 | 154.2 | 100.9 | 74.0 | 59.3 | 50.9 | 43.7 | 36.2 | 30.0 | 25.1 |
| 1.85V | 249.5 | 150.5 | 100.3 | 73.7 | 59.2 | 50.8 | 43.5 | 36.1 | 29.9 | 25.0 |

• 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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