

# 6-FMX Series

## Front Terminal Battery

6-FMX-200



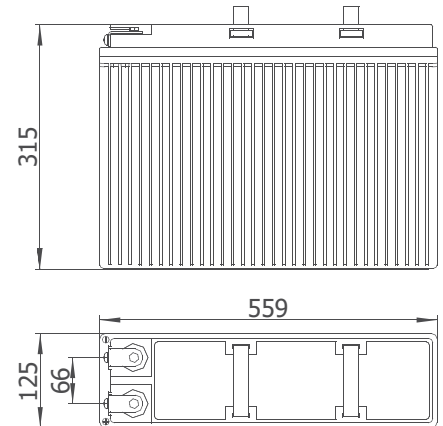
### Main Applications

- 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

### Dimensions



### Technical Parameters

|  |  |
|--|--|
| Nominal Voltage                                    | 12 V   |
| Capacity   | 200 Ah @ 10hr to 1.80 V per cell @ 25°C (77°F)   |
| Weight   | 56.5 kg(124.56lbs)   |
| Dimensions   | Length: 559mm (22.01 in)<br>Width: 125 mm (4.92in)<br>Height: 315mm (12.40 in)                                     |
| Internal Resistance (full charged)                 | 3.2 mΩ   |
| Short-circuit Current                              | 2852 A   |
| 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)<br>Charge: -20°C ~ 45°C(-4°F ~ 113°F)<br>Storage:-20°C ~ 40°C(-4°F ~ 104°F) |
| Recommended Operating Temperature                  | 15°C ~ 25°C (59°F ~ 77°F)  |
| Recommended Charging Current                       | 40 A   |
| Charging Voltage @25°C(77°F)                       | Float: 2.23 V/cell<br>Equalize: 2.35 V/cell  |
| Terminal   | M6   |
| Container Materials                                | ABS/ABS V0 (Optional)  |
| Capacity Affected by Temperature(C <sub>10</sub> ) | 103% @ 40°C(104°F)<br>85% @ 0°C(32°F)<br>60% @ -20°C(-4°F)   |
| Design Life @25°C(77°F)                            | 12 years   |

### Certification

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

### Technical Features

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

# 6-FMX Series

## Front Terminal Battery

### 6-FMX-200



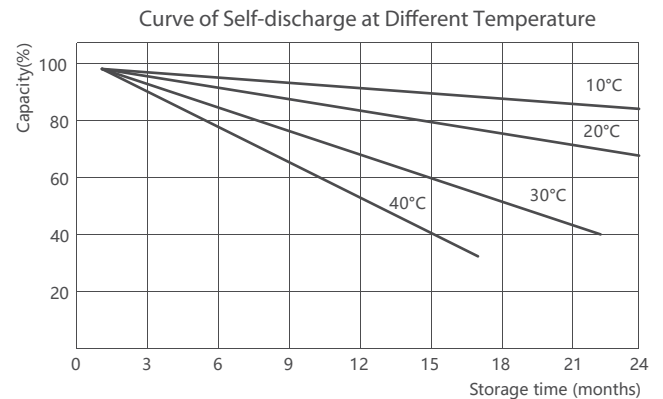
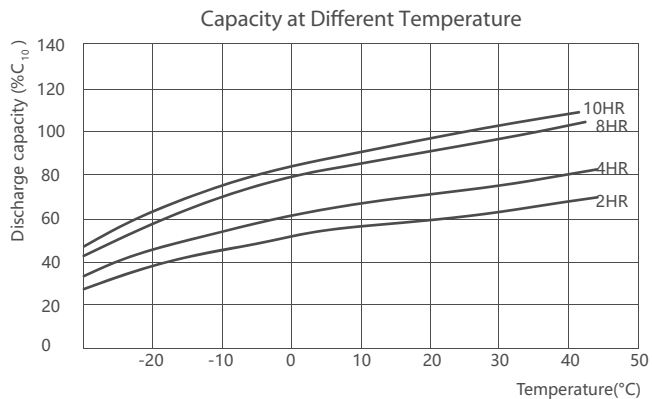
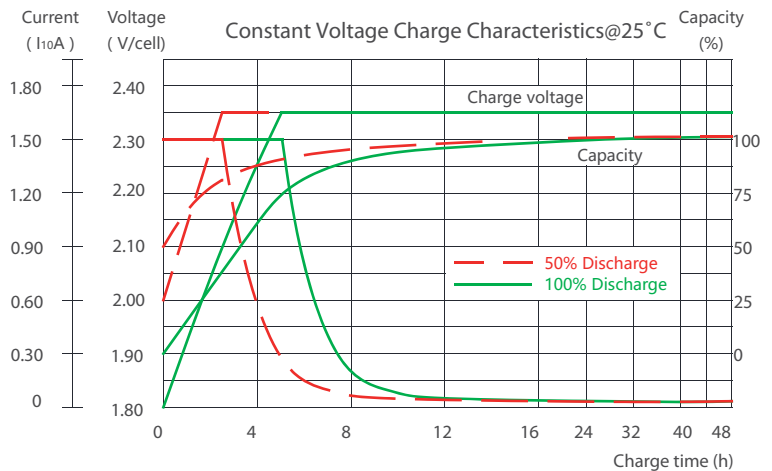
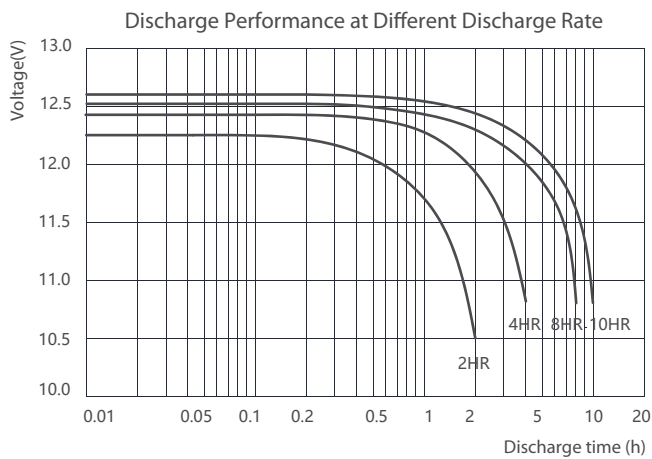
#### Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

| F.V/Time | 30min | 1hr   | 2hr  | 3hr  | 4hr  | 5hr  | 6hr  | 8hr  | 10hr | 20hr |
|----------|-------|-------|------|------|------|------|------|------|------|------|
| 1.70V    | 200.3 | 113.5 | 67.5 | 51.0 | 40.8 | 34.6 | 30.6 | 24.1 | 20.4 | 10.4 |
| 1.75V    | 189.2 | 111.0 | 66.2 | 50.5 | 40.4 | 34.4 | 30.4 | 24.0 | 20.2 | 10.3 |
| 1.80V    | 180.5 | 110.0 | 65.2 | 50.0 | 40.0 | 34.0 | 30.2 | 23.9 | 20.0 | 10.2 |
| 1.83V    | 174.2 | 103.6 | 64.4 | 49.0 | 39.6 | 33.6 | 30.0 | 23.7 | 19.8 | 10.1 |
| 1.85V    | 167.6 | 100.0 | 63.8 | 47.1 | 39.2 | 33.4 | 29.8 | 23.6 | 19.6 | 10.0 |

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

| F.V/Time | 30min | 1hr   | 2hr   | 3hr  | 4hr  | 5hr  | 6hr  | 8hr  | 10hr | 20hr |
|----------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.70V    | 368.1 | 214.8 | 129.3 | 99.3 | 79.5 | 68.5 | 60.6 | 47.1 | 39.3 | 20.8 |
| 1.75V    | 351.7 | 208.9 | 127.3 | 98.9 | 79.3 | 68.4 | 60.4 | 46.9 | 39.1 | 20.6 |
| 1.80V    | 339.7 | 206.2 | 126.7 | 98.7 | 78.9 | 68.0 | 60.2 | 46.8 | 38.8 | 20.5 |
| 1.83V    | 331.7 | 199.3 | 125.5 | 97.3 | 78.8 | 67.7 | 60.0 | 46.6 | 38.5 | 20.4 |
| 1.85V    | 323.0 | 194.2 | 124.8 | 93.7 | 78.4 | 67.6 | 59.6 | 46.5 | 38.3 | 20.2 |

#### 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.

Welcome to Visit : [www.chinashoto.com](http://www.chinashoto.com)