

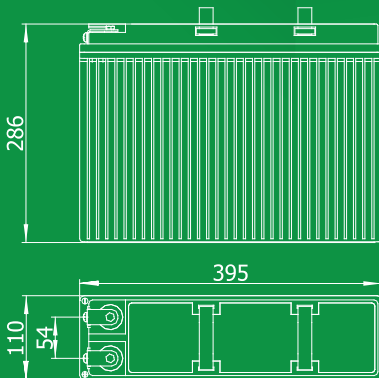
# 6-FMX Series Front Terminal Battery 6-FMX-100B



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	100 Ah @ 10hr to 1.80V per cell @ 25°C (77°F)
Weight	30.8kg(67.90lbs)
Dimensions	Length: 395 mm (15.55 in) Width: 110 mm (4.33in) Height: 286 mm (11.26 in)
Internal Resistance (full charged)	5.2mΩ
Short- circuit Current	1755A
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	20A
Charging Voltage @25°C(77°F)	Float: 2.23 V/cell Equalize: 2.35 V/cell
Terminal	M6
Capacity Affected by Temperature(C <sub>10</sub> )	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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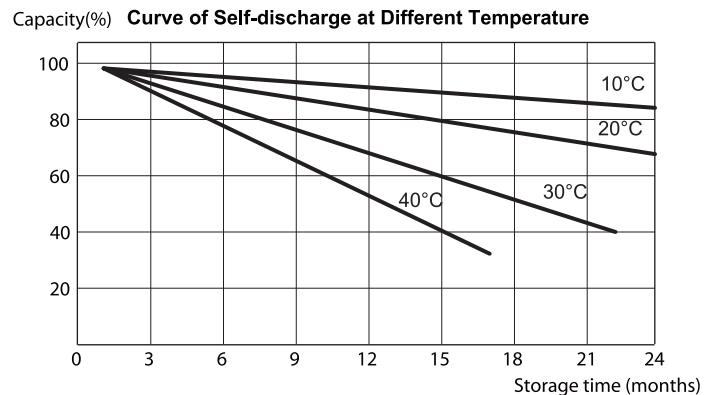
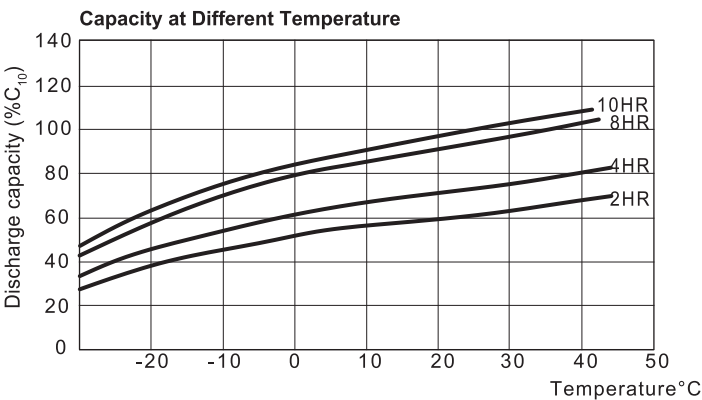
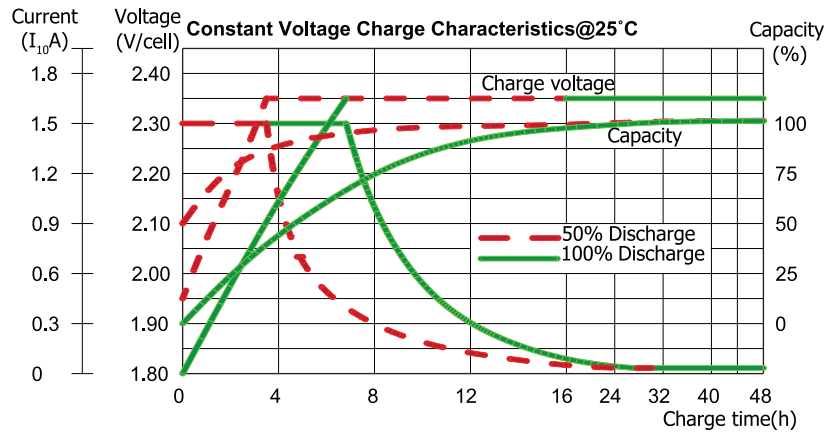
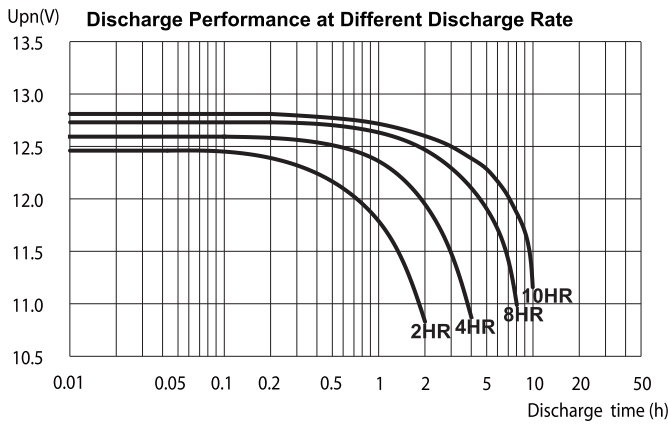
## • Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr
1.70V	105.8	58.9	34.5	25.5	20.4	17.3	15.3	12.3	10.2	8.6
1.75V	100.0	57.0	34.1	25.3	20.2	17.2	15.2	12.2	10.1	8.5
1.80V	94.6	55.9	33.6	25.0	20.0	17.0	15.1	12.1	10.0	8.4
1.83V	90.4	53.7	33.2	24.8	19.8	16.8	15.0	12.0	9.9	8.3
1.85V	87.3	51.9	32.9	24.5	19.6	16.7	14.9	11.9	9.8	8.2

## • 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	191.8	109.5	66.2	49.8	39.9	34.4	30.8	24.6	20.4	17.1
1.75V	183.8	107.5	65.6	49.6	39.6	34.2	30.5	24.4	20.2	16.9
1.80V	175.8	106.3	65.3	49.4	39.5	34.0	30.2	24.2	20.1	16.8
1.83V	170.1	102.7	64.7	49.2	39.3	33.9	30.0	24.1	19.9	16.6
1.85V	166.3	100.3	64.3	48.8	39.2	33.8	29.8	24.0	19.8	16.5

## • Performance Curve:



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