

6-FMX Series

Front Terminal Battery

6-FMX-170



SHUANGDENG GROUP

shoto



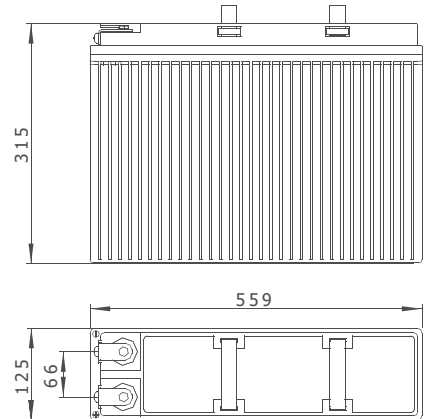
Main Applications

- 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	170 Ah @ 10hr to 1.80 V per cell @ 25°C (77°F)
Weight	54 kg(119.05 lbs)
Dimensions	Length: 559 mm (22.01 in) Width: 125 mm (4.92 in) Height: 315 mm (12.40 in)
Internal Resistance (full charged)	3.5 mΩ
Short-circuit Current	2607 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) 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	34 A
Charging Voltage @25°C(77°F)	Float: 2.23 V/cell Equalize: 2.35 V/cell
Terminal	M6
Container Materials	ABS/ABS V0 (Optional)
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

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

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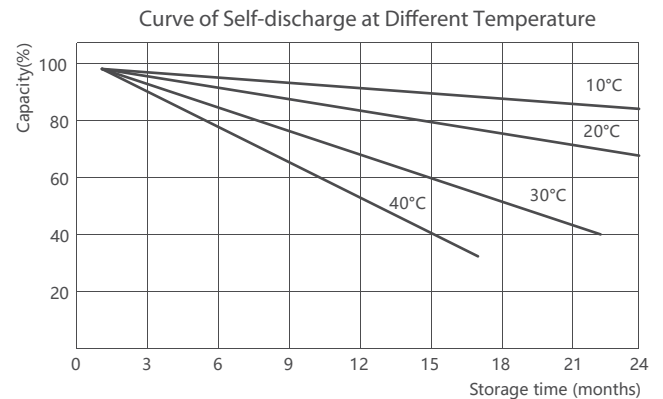
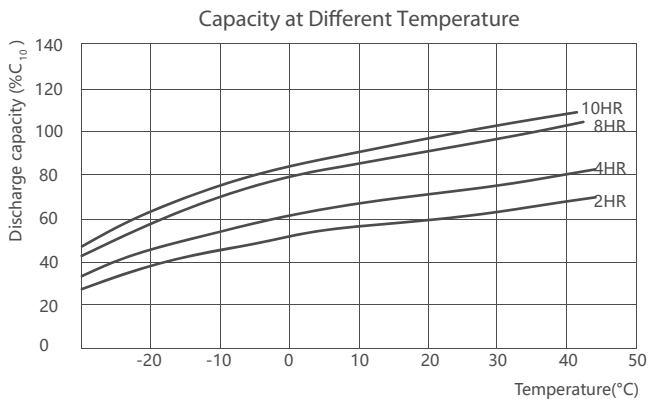
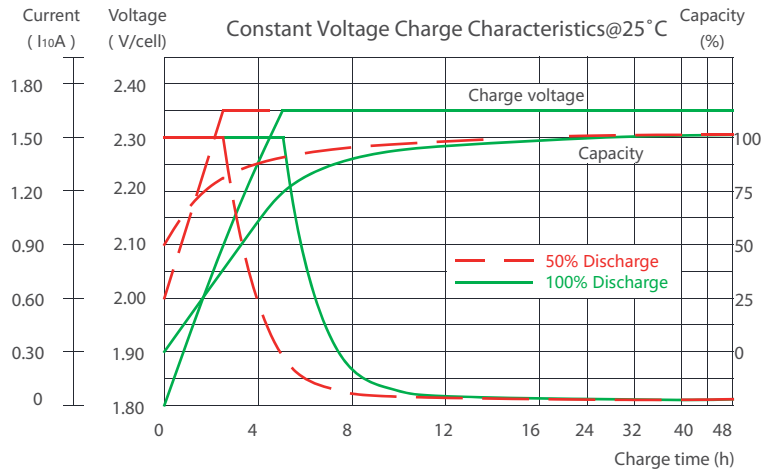
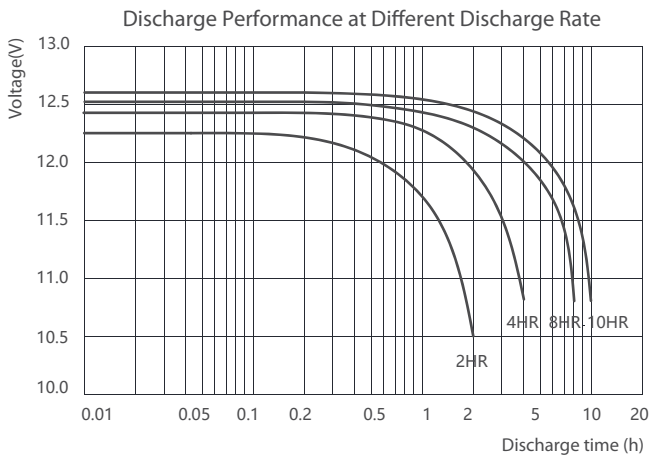
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr
1.70V	179.8	100.2	61.7	44.6	36.1	30.5	26.1	20.9	17.4	14.6
1.75V	170.0	96.8	61.0	44.1	35.7	30.1	25.9	20.7	17.2	14.4
1.80V	160.8	95.0	60.2	43.7	35.3	29.8	25.7	20.5	17.0	14.2
1.83V	153.7	91.3	59.5	43.2	34.9	29.4	25.5	20.3	16.8	14.0
1.85V	148.4	88.1	58.9	42.7	34.5	29.2	25.3	20.1	16.6	13.9

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	326.1	186.1	118.1	87.9	71.8	60.6	52.3	41.8	34.7	29.0
1.75V	312.5	182.8	117.5	87.2	71.1	59.9	51.9	41.4	34.4	28.6
1.80V	298.8	180.7	116.7	86.9	70.8	59.3	51.4	41.2	34.2	28.5
1.83V	289.2	174.6	116.0	85.8	70.1	58.8	51.0	41.0	33.8	28.3
1.85V	282.7	170.6	115.4	85.6	69.5	58.4	50.6	40.8	33.6	28.1

Performance Curve



*Declaration:

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