6-FMX Series

Front Terminal Battery

6-FMX-200

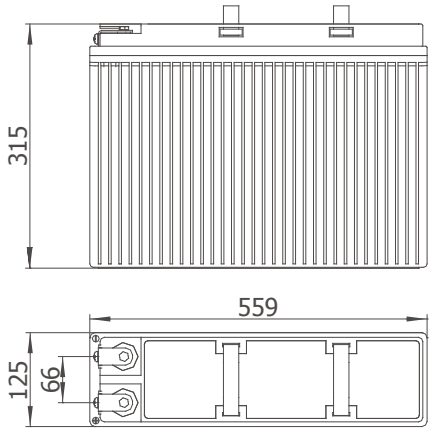
Main Applications

- Telecom site
- Outdoor base station
- Floating operation site
- UPS

Benefits

- Front terminal design, easy access for faster installation and maintainence
- 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	57.0 kg(125.66lbs)
Dimensions	Length: 559mm (22.01 in) Width: 125 mm (4.92in) Height: 315mm (12.40 in)
Internal Resistance (full charged)	3.2 m Ω
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) 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	40 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

HELIOS
POWER SOLUTIONS

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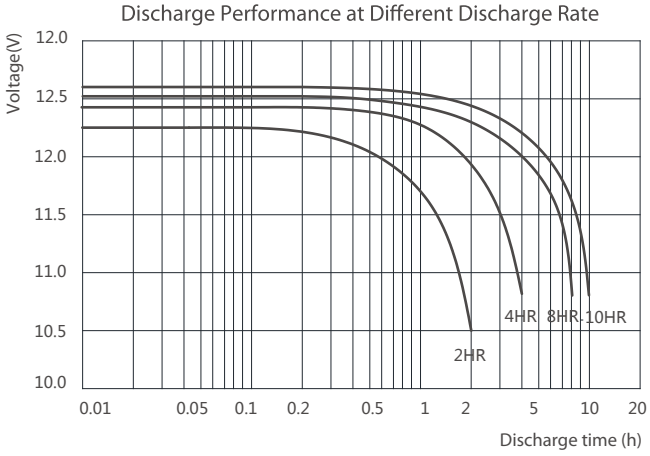
Constant Current Discharge Characteristics Unit: A (25ºC, 77ºF)

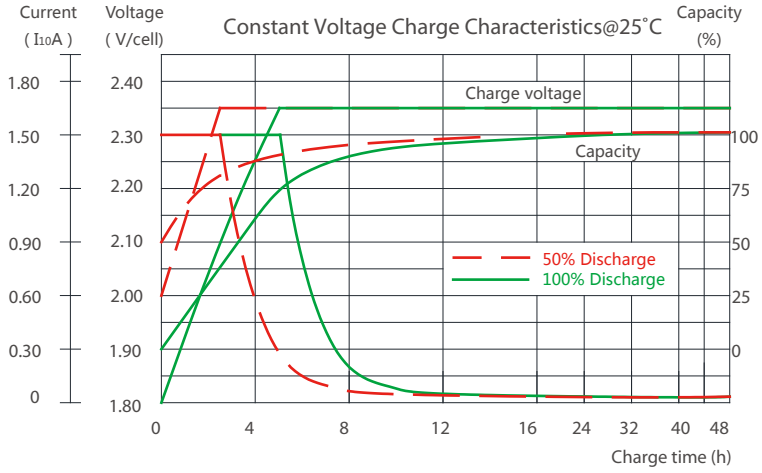
F.V/Time	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr
1.70V	200.3	115.5	67.5	51.0	40.8	34.6	30.6	24.1	20.4	10.5
1.75V	189.2	110.8	66.2	50.5	40.4	34.4	30.4	24.0	20.2	10.4
1.80V	180.5	108.6	65.2	50.0	40.0	34.0	30.2	23.9	20.0	10.3
1.83V	174.2	104.2	64.4	49.0	39.6	33.6	30.0	23.7	19.8	10.2
1.85V	167.6	100.5	63.8	47.1	39.2	33.4	29.8	23.6	19.6	10.1

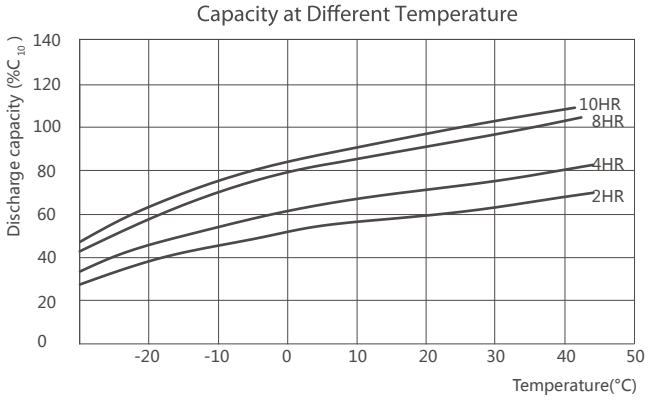
Constant Power Discharge Characteristics Unit: W/cell (25ºC, 77ºF)

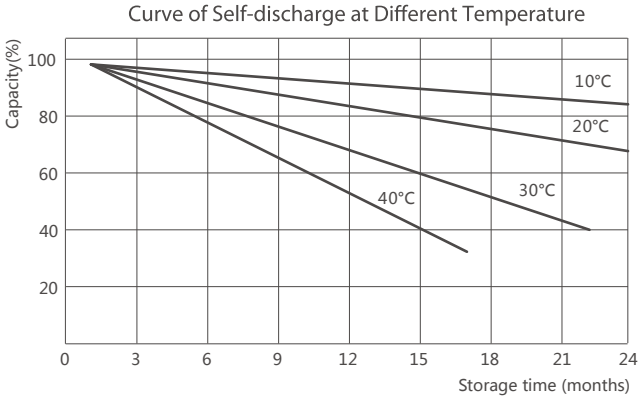
F.V/Time	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr
1.70V	368.1	214.8	129.3	99.3	79.5	68.5	60.6	48.1	40.6	21.0
1.75V	351.7	208.9	127.3	98.9	79.3	68.4	60.4	47.9	40.4	20.8
1.80V	339.7	206.2	126.7	98.7	78.9	68.0	60.2	47.8	40.1	20.7
1.83V	331.7	199.3	125.5	97.3	78.8	67.7	60.0	47.6	39.8	20.6
1.85V	323.0	194.2	124.8	93.7	78.4	67.6	59.6	47.4	39.6	20.4

Performance Curve









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