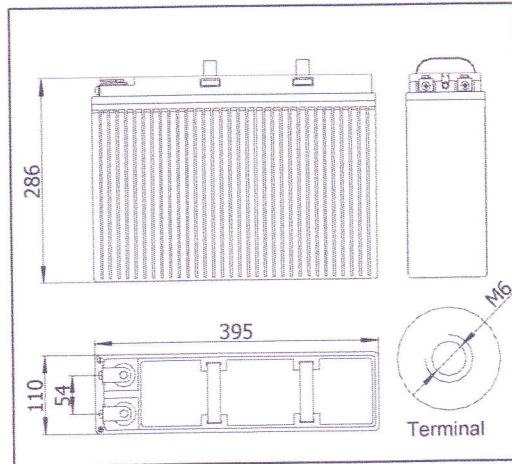




# 6-FMXH-100B



6-FMXH series products is a high-capacity battery of new model. With easy usage and maintenance, it is intended for service in telecom system, UPS, and security system, etal. The designed float charge life could arrive 10 years at 35°C.

Normal Voltage	12V
Capacity	100 Ah @ 10hr to 1.80V per cell @ 35°C(95°F)
Weight	Approx. 31.6 kg
Internal Resistance (full charged)	Approx. 4.9mΩ @ 35°C(95°F)
Maximum Discharge Current	726A (5sec)
Self Discharge @ 25°C (77°F)	Less than 8 % after 90 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 □ 35°C (59°F □ 95°F)
Maximum Charging Current Limited	20A
Charging Voltage @ 25°C(77°F)	Float: 2.23 V/cell, Temps coefficient -3mV/ cell· °C Cycle: 2.35 V/cell
Container Materials	PPO
Terminal	M6
Capacity Affected by Temperature	105 % @ 40°C 85 % @ 0°C 60 % @ -20°C

**Attain certificate:**

ISO9001:2008  
(NO.03009Q10083R2M)  
ISO14001:2004  
(NO.03010E10145R0M)  
GB/T 28001-2001 □  
(NO.03010S10141R0M)

**Conforms to the standard:**

GB/T 19638.2-2005  
YD/T799-2010  
JISC8704-2:1999  
IEC60896-2,2004

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

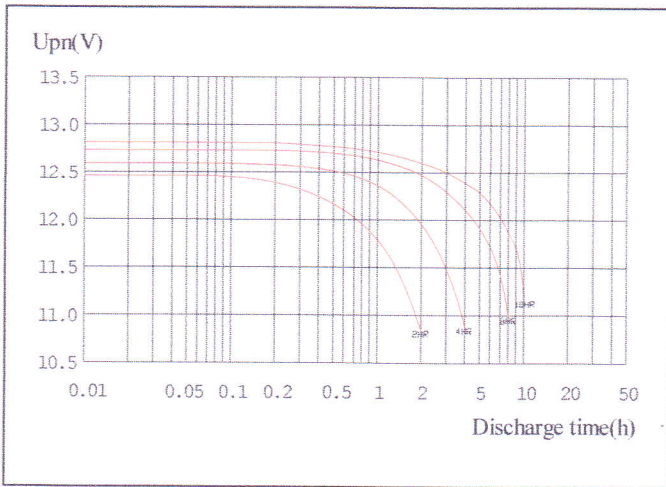
F.V/Time	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr
1.70V	100.5	57.3	34.6	26.5	21.8	18.0	15.4	12.4	10.3	8.6
1.75V	95.1	55.4	34.2	26.0	21.5	17.8	15.3	12.3	10.2	8.5
1.80V	90.9	54.4	33.8	25.4	21.1	17.6	15.2	12.2	10.1	8.4
1.83V	87.7	52.2	33.4	25.2	20.9	17.4	15.1	12.1	9.9	8.3
1.85V	84.5	50.5	33.1	24.9	20.7	17.3	15.0	12.0	9.8	8.2

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

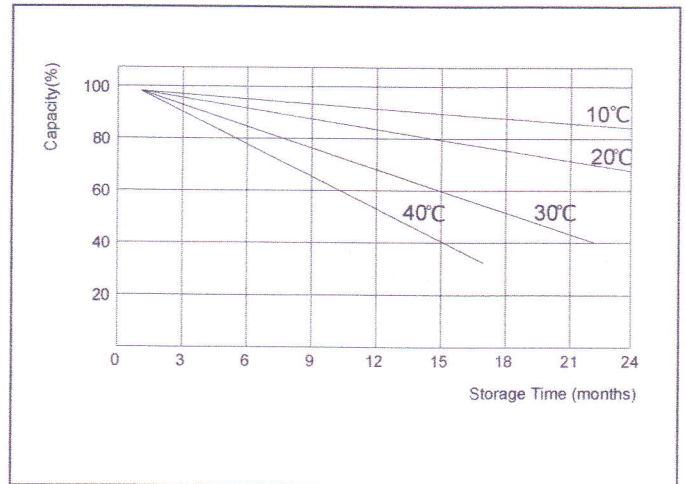
F.V/Time	30min	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr
1.70V	184.7	106.4	66.2	52.3	43.4	35.8	31.0	24.7	20.5	17.2
1.75V	176.7	104.5	65.8	51.5	42.9	35.4	30.7	24.5	20.3	17.0
1.80V	171.0	103.3	65.5	50.7	42.3	35.1	30.4	24.3	20.2	16.9
1.83V	167.1	99.8	65.0	50.1	42.0	34.8	30.2	24.2	20.0	16.7
1.85V	162.9	97.5	64.7	49.9	41.7	34.6	29.9	24.1	19.9	16.6

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.

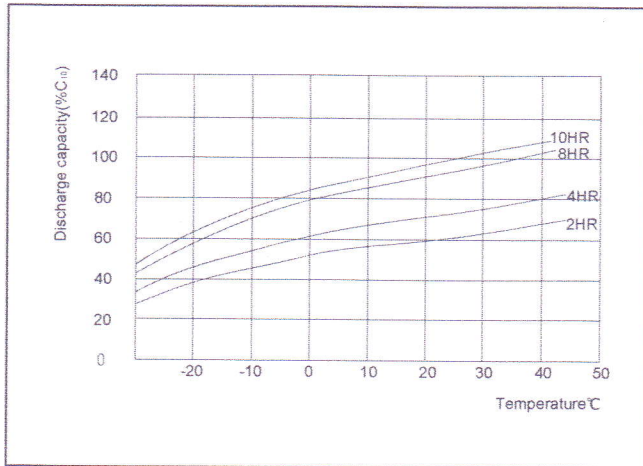
Discharge Performance at Different Discharge Rate



Curve of Self-discharge at Different Temperature



Capacity at Different Temperature



Constant Voltage Charge Characteristics

