

### MHB MM Series—Medium-size Battery

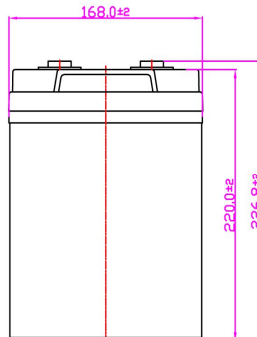
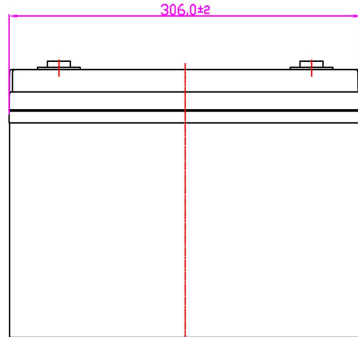
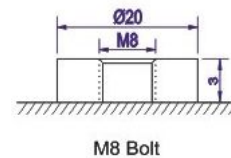
- High performance, completely maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula and updated manufacturing technique
- Floating & standby use: up to 8 years
- Cycle use 1: Up to 260 cycles at 100% DOD
- Cycle use 2: Up to 500 cycles at 50% DOD

### Application:

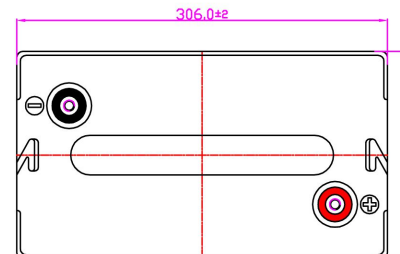
- Telecommunications
- Alarm and security system
- Uninterruptable Power Supply (UPS)
- Communication power supply
- Electric Power System (EPS)
- DC power supply
- Emergency backup power supply
- Auto control system

### Construction:

- Component .....Raw material
- Sealant .....Epoxy
- Positive .....Lead dioxide
- Safety valve .... Rubber
- Negative .....Lead
- Terminal .....Copper
- Container .....ABS
- Separator .....Fiber glass
- Cover .....ABS
- Electrolyte ..... Sulfuric acid



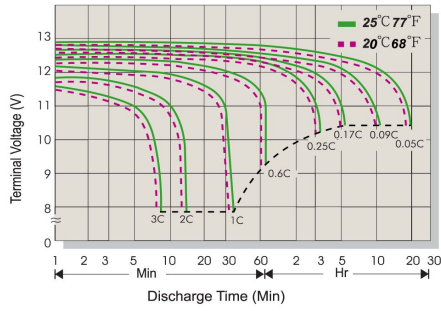
B5 Terminal



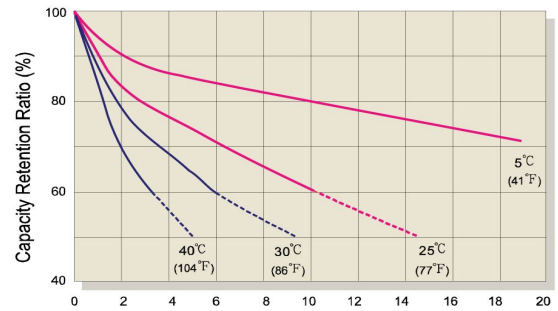
### Specification:

Battery Model	MM 180-6 6V180AH			
Designed Floating Life	Up to 8 Years			
Capacity (25°C)	20HR(9.0A,10.8V)	10HR(17.2A,10.8V)	5HR(28.3A,10.5V)	1HR(95.7A,10.5V)
	180AH	172AH	141.5AH	95.7AH
Dimensions	Length	Width	Height	Total Height
	306mm (12.05inch)	168mm (6.61inch)	220mm (8.66inch)	226mm (8.90inch)
Approx. Weight	28.0Kg (61.74 lbs)			
Internal Resistance	Full charged at 25°C: ≤2.0mΩ			
Self Discharge	2% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25oC)	Cycle use		Float use	
	7.20-7.30V(-15mV/°C), max. Current:45.0A		6.75-6.90V (-10mV/°C)	

### Terminal Voltage (V) and Discharge Time



### Capacity Retention Characteristic



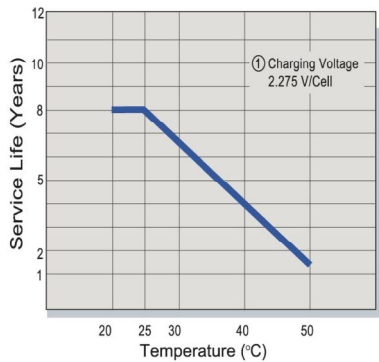
### Battery Voltage and Charge Time for Standby Use



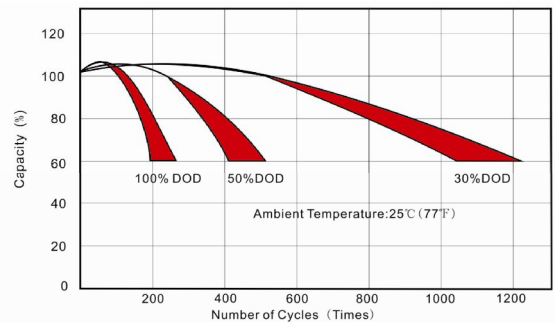
### Battery Voltage and Charge Time for Cycle Use



### Tickle(or Float) Service Life



### Cycle Service Life



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

F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	388.7	286.3	248.5	149.9	88.3	52.0	38.8	32.69	26.91	24.77	16.51	8.64
1.80V/Cell	403.5	297.2	258.0	155.7	92.0	54.2	40.4	34.06	28.04	25.80	17.20	9.00
1.75V/Cell	443.9	312.1	270.9	161.9	95.7	55.8	41.6	34.40	28.32	26.06	17.37	9.00
1.70V/Cell	496.3	326.9	283.8	169.7	97.5	56.9	42.4	34.74	28.60	26.32	17.54	9.18
1.67V/Cell	548.8	341.8	296.7	174.3	101.2	58.5	43.7	35.08	28.88	26.57	17.72	9.27

### Constant Power Discharge (CP, Unit: W) at 25°C (77°F)

F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	738.5	543.9	472.2	284.9	167.8	98.8	73.7	62.12	51.14	47.06	31.37	16.42
1.80V/Cell	766.7	564.7	490.2	295.8	174.8	102.9	76.8	64.71	53.27	49.02	32.68	17.10
1.75V/Cell	843.3	592.9	514.7	307.6	181.8	106.0	79.1	65.35	53.80	49.51	33.01	17.10
1.70V/Cell	943.0	621.2	539.2	322.4	185.3	108.1	80.6	66.00	54.33	50.00	33.33	17.44
1.67V/Cell	1042.7	649.4	563.7	331.2	192.3	111.2	82.9	66.65	54.87	50.49	33.66	17.61