

MHB MM Series—Medium-size Battery

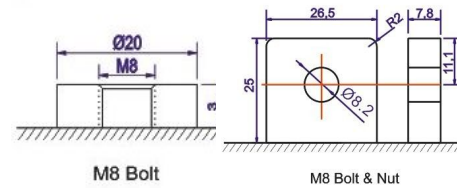
- High performance, completely maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula and updated manufacturing technique
- Floating & standby use: up to 8 years
- Cycle use 1: Up to 260 cycles at 100% DOD
- Cycle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

Application:

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

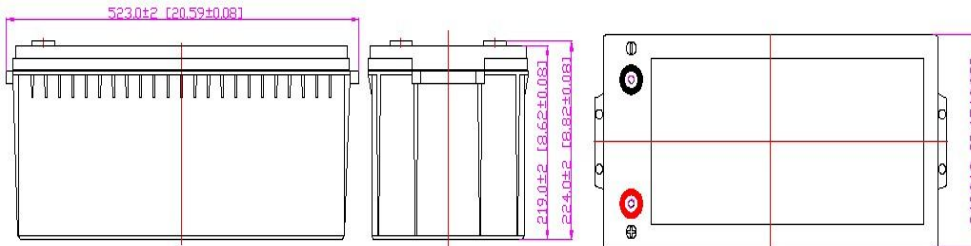
Construction:

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy
- Safety valve Rubber
- TerminalCopper/Pb
- SeparatorFiber glass
- Electrolyte Sulfuric acid



B5 Terminal

T16 Terminal

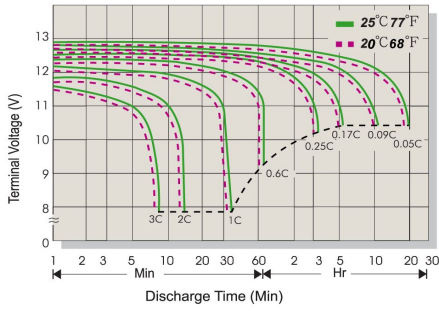


Specification:

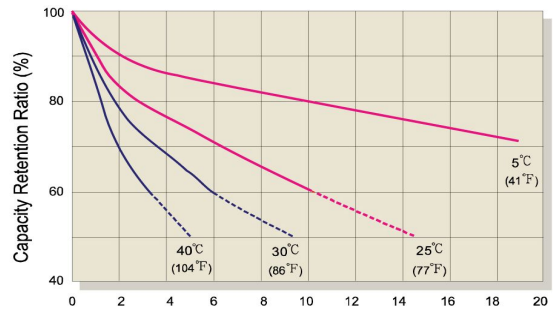
Battery Model	MM 175-12 12V175AH			
Designed Floating Life	Up to 8 Years			
Capacity (25°C)	20HR(9.29A,10.8V)	10HR(17.5A,10.8V)	5HR(34.05A,10.5V)	1HR(114.0A,10.5V)
	185.8AH	175.0AH	170.3H	114.0AH
Dimensions	Length	Width	Height	Total Height
	523mm (20.59inch)	240mm (9.45inch)	219mm (8.62inch)	224mm (8.78inch)
Approx. Weight	55.2Kg (121.72 lbs)			
Internal Resistance	Full charged at 25°C: ≤5.0mΩ			
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	
	14.4-14.6V(-30mV/°C), max. Current:52.5A		13.6-13.8V (-20mV/°C)	

FUJIAN MINHUA POWER SOURCE CO., LTD.

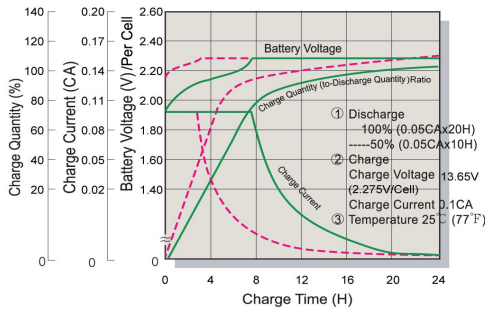
Terminal Voltage (V) and Discharge Time



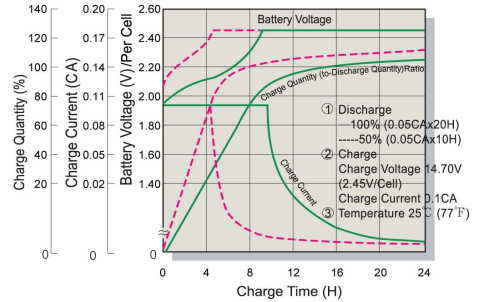
Capacity Retention Characteristic



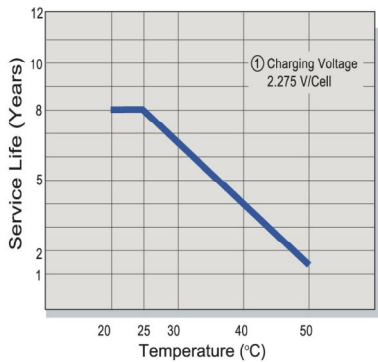
Battery Voltage and Charge Time for Standby Use



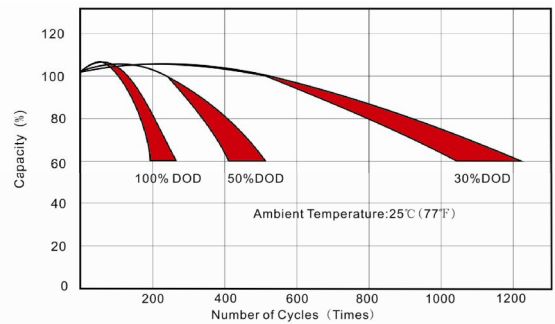
Battery Voltage and Charge Time for Cycle Use



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	622.09	367.23	288.62	188.14	109.80	63.47	48.74	40.03	32.80	26.74	17.19	9.11
1.80V/Cell	633.97	374.24	294.14	191.74	111.90	64.69	49.67	40.79	33.43	27.25	17.50	9.29
1.75V/Cell	645.86	381.26	299.65	195.33	114.00	65.90	50.60	41.55	34.05	27.76	17.85	9.46
1.70V/Cell	703.98	404.13	317.63	203.12	116.01	67.06	51.49	42.29	34.65	28.25	18.16	9.63
1.67V/Cell	775.03	438.45	344.60	214.47	117.25	67.78	52.05	42.74	35.02	28.55	18.36	9.73

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	1213.0	716.09	562.82	366.88	214.12	123.77	95.05	78.05	63.96	52.14	33.53	17.77
1.80V/Cell	1236.2	729.77	573.57	373.89	218.21	126.14	96.86	79.54	65.18	53.14	34.13	18.11
1.75V/Cell	1259.4	743.45	584.32	380.90	222.30	128.50	98.68	81.03	66.40	54.13	34.81	18.45
1.70V/Cell	1372.7	788.06	619.38	396.09	226.21	130.76	100.4	82.46	67.57	55.08	35.42	18.77
1.67V/Cell	1511.3	854.97	671.97	418.22	228.63	132.17	101.4	83.34	68.29	55.67	35.80	18.97