

MHB MM Series—Medium-size Battery

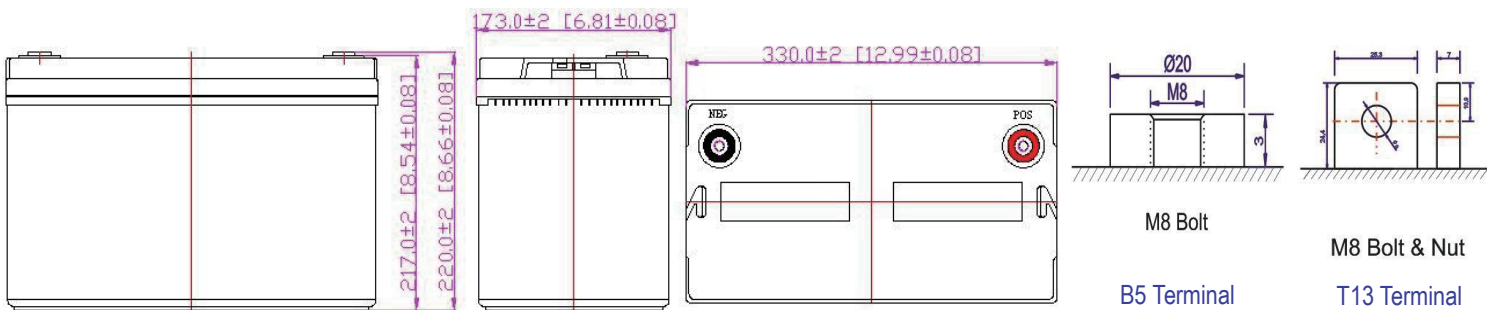
- High performance, completely maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula and updated manufacturing technique
- Floating & standby use: up to 8 years
- Cycle use 1: Up to 260 cycles at 100% DOD
- Cycle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

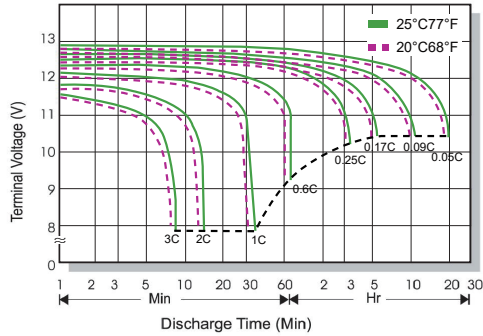
- ComponentRaw material
- SealantEpoxy
- PositiveLead dioxide
- Safety valve Rubber
- NegativeLead
- TerminalCopper/Pb
- ContainerABS
- SeparatorFiber glass
- CoverABS
- Electrolyte Sulfuric acid



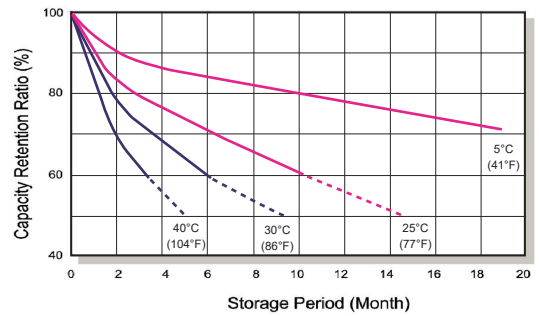
Speification:

Battery Model	MM 75-12 12V70AH			
Designed Floating Life	Up to 8 Years			
Capacity (25°C)	20HR(3.64A,10.8V)	10HR(7.00A,10.8V)	5HR(13.60A,10.5V)	1HR(44.74A,10.5V)
	72.8AH	70.00AH	68.00AH	44.74AH
Dimensions	Length	Width	Height	Total Height
	330 mm	173 mm	217 mm	220 mm
Approx. Weight	24.00 KG±3%			
Internal Resistance	Full charged at 25°C: ≤7.80 mΩ			
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(25°C)	Cycle use		Float use	
	14.4-14.6V(-30mV/°C), max. Current:20.00A		13.5-13.8V (-20mV/°C)	

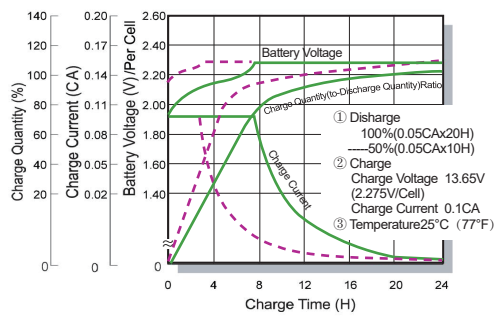
Terminal Voltage (V) and Discharge Time



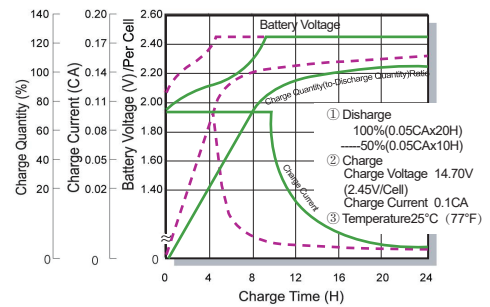
Capacity Retention Characteristic



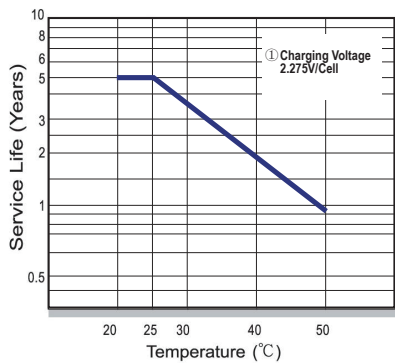
Battery Voltage and Charge Time for Standby Use



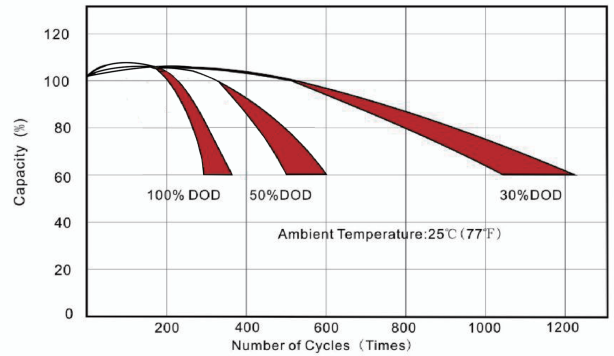
Battery Voltage and Charge Time for Cycle Use



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	244.14	144.12	113.27	73.84	43.09	24.91	19.13	15.71	12.87	10.49	6.88	3.58
1.80V/Cell	248.80	146.87	115.44	75.25	43.92	25.39	19.49	16.01	13.12	10.69	7.00	3.64
1.75V/Cell	253.47	149.63	117.60	76.66	44.74	25.86	19.86	16.31	13.36	10.89	7.14	3.71
1.70V/Cell	276.28	158.60	124.66	79.72	45.53	26.32	20.21	16.60	13.60	11.09	7.27	3.78
1.67V/Cell	304.16	172.07	135.24	84.17	46.01	26.60	20.43	16.77	13.74	11.20	7.34	3.82
1.60V/Cell	329.51	181.05	142.30	87.77	46.51	26.89	20.65	16.95	13.89	11.33	7.42	3.86

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	476.07	281.03	220.88	143.98	84.03	48.58	37.30	30.63	25.10	20.46	13.41	6.97
1.80V/Cell	485.17	286.40	225.10	146.73	85.64	49.50	38.01	31.22	25.58	20.85	13.65	7.11
1.75V/Cell	494.26	291.77	229.32	149.48	87.24	50.43	38.73	31.80	26.06	21.24	13.92	7.24
1.70V/Cell	538.75	309.28	243.08	155.45	88.78	51.32	39.41	32.36	26.52	21.62	14.17	7.37
1.67V/Cell	593.12	335.54	263.72	164.13	89.73	51.87	39.83	32.71	26.80	21.85	14.32	7.45
1.60V/Cell	642.54	353.04	277.48	171.16	90.70	52.43	40.26	33.06	27.09	22.09	14.47	7.53