

MHB ML Series—Longer service life Battery

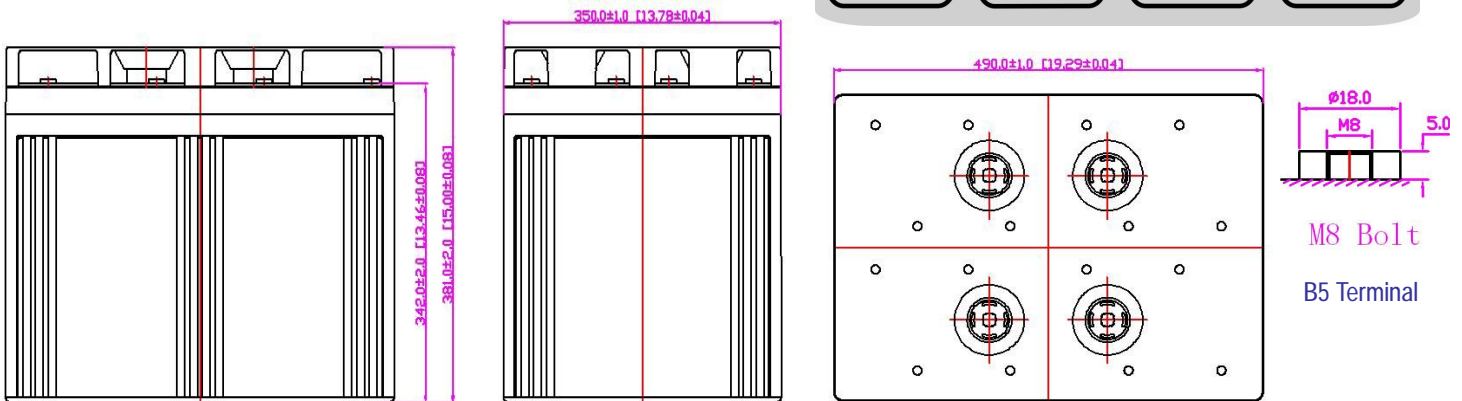
- High performance, completely maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula and updated manufacturing technique
- Floating & standby use: up to 15 years
- Cycle use 1: Up to 260 cycles at 100% DOD
- Cycle use 2: Up to 1200 cycles at 30% 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
- SeparatorFiber glass
- Electrolyte Sulfuric acid

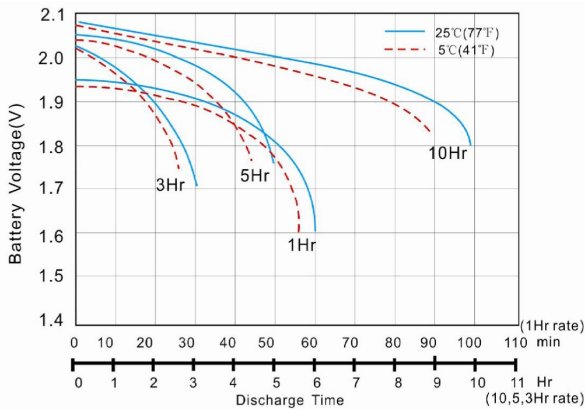


Specification:

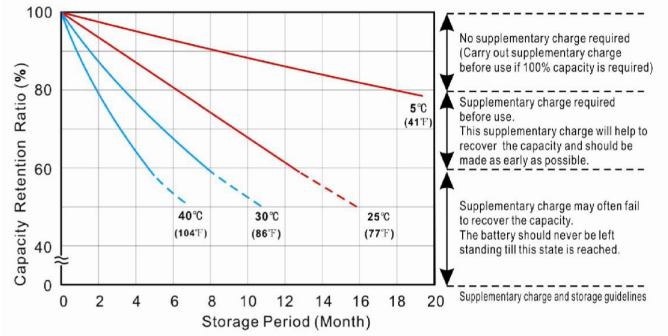
Battery Model	ML 2000 -2 2V2000AH			
Designed Floating Life	Up to 15 Years			
Capacity (25°C)	10HR(200.00A,10.8V)	5HR(333.20A,10.8V)	3HR(493.20A,10.8V)	1HR(1053.20A,10.8V)
	2000.00AH	1666.00AH	1479.60AH	1053.20AH
Dimensions	Length	Width	Height	Total Height
	490mm (19.29inch)	350mm (13.78inch)	342mm (13.46inch)	381mm (15.00inch)
Approx. Weight	129.00Kg (284.45lbs)			
Internal Resistance	Full charged at 25°C: ≤0.22mΩ			
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	
	2.40-2.50V(-5mV/°C), max. Current:500.0A		2.25-2.30V (-3.0mV/°C)	

FUJIAN MINHUA POWER SOURCE CO., LTD.

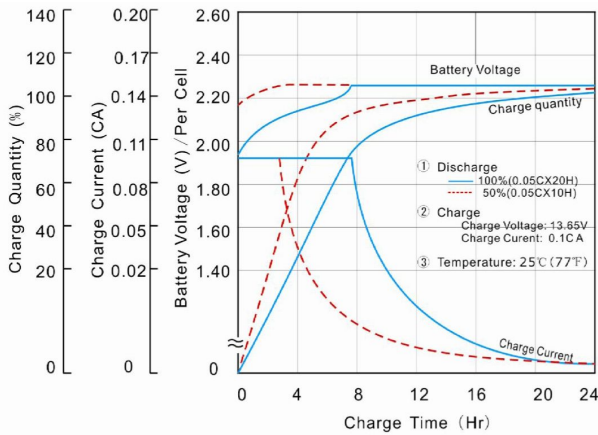
Terminal Voltage (V) and Discharge Time



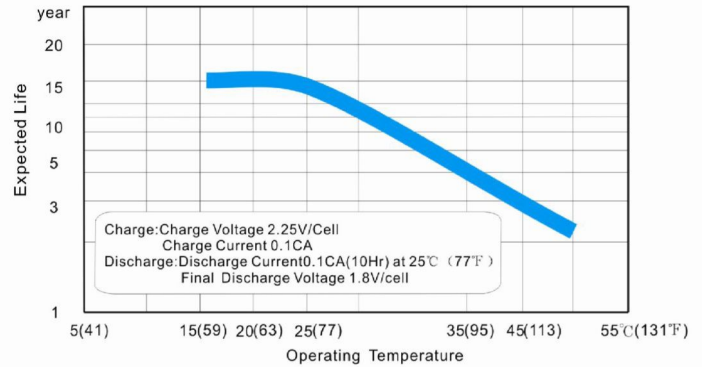
Capacity Retention Characteristic



Battery Voltage and Charge Time for Standby Use



Tickle(or Float) Service Life



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

F.V/Time	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	8Hr	10Hr	20Hr
1.85V/Cell	4678.84	3119.23	1520.62	1026.62	635.54	480.75	391.85	324.79	285.80	232.58	194.95	99.82
1.80V/Cell	4800.00	3200.00	1560.00	1053.20	652.00	493.20	402.00	333.20	293.20	238.60	200.00	102.40
1.75V/Cell	4857.60	3238.40	1578.72	1065.84	659.82	499.12	406.82	337.20	296.72	241.46	202.40	103.63
1.70V/Cell	5294.78	3432.70	1673.44	1108.37	671.44	507.90	413.98	343.13	301.94	245.71	205.96	105.45
1.67V/Cell	5829.12	3724.16	1815.53	1170.29	678.63	513.34	418.42	346.81	305.17	248.34	208.17	106.58

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

F.V/Time	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	8Hr	10Hr	20Hr
1.85V/Cell	9123.7	6082.5	2965.2	2001.9	1239.3	937.5	764.1	633.3	557.3	453.5	380.2	194.6
1.80V/Cell	9360.0	6240.0	3042.0	2053.7	1271.4	961.7	783.9	649.7	571.7	465.3	390.0	199.7
1.75V/Cell	9472.3	6314.9	3078.5	2078.4	1286.7	973.3	793.3	657.5	578.6	470.9	394.7	202.1
1.70V/Cell	10324.8	6693.8	3263.2	2161.3	1309.3	990.4	807.3	669.1	588.8	479.1	401.6	205.6
1.67V/Cell	11366.8	7262.1	3540.3	2282.1	1323.3	1001.0	815.9	676.3	595.1	484.3	405.9	207.8

