

#### MHB ML Series—Longer service life Battery

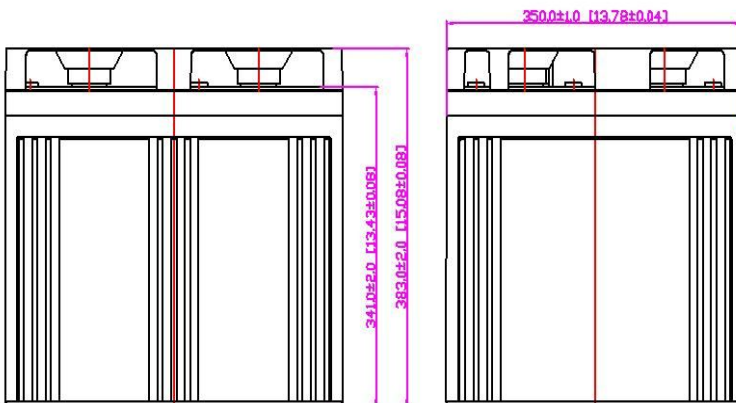
- High performance, completely maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula and updated manufacturing technique
- Floating & standby use: up to 15 years
- Cycle use 1: Up to 260 cycles at 100% DOD
- Cycle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

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



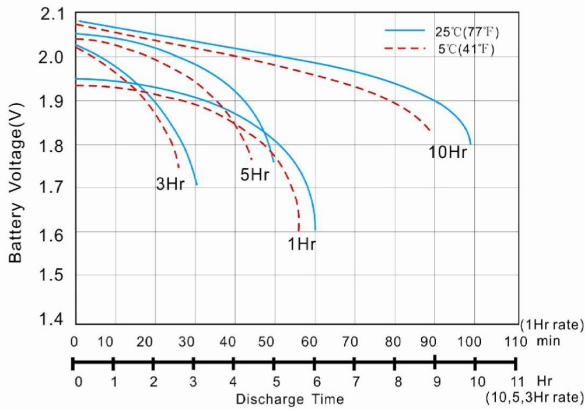
M8 Bolt  
B5 Terminal

#### Specification:

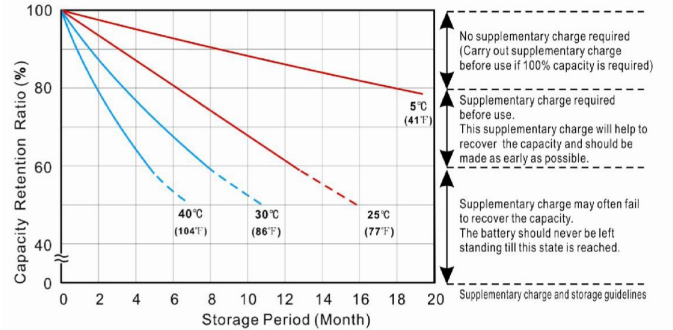
Battery Model	ML 1500 -2 2V1500AH			
Designed Floating Life	Up to 15 Years			
Capacity (25°C)	10HR(150.00A,10.8V)	5HR(249.90A,10.8V)	3HR(369.90A,10.8V)	1HR(789.90A,10.8V)
	1500.00AH	1249.50AH	1109.70AH	789.90AH
Dimensions	Length	Width	Height	Total Height
	398mm (15.67inch)	350mm (13.78inch)	341mm (13.43inch)	383mm (15.08inch)
Approx. Weight	97.00Kg (213.89 lbs)			
Internal Resistance	Full charged at 25°C: ≤0.26mΩ			
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:375.0A		2.25-2.30V (-3.0mV/°C)	

## FUJIAN MINHUA POWER SOURCE CO., LTD.

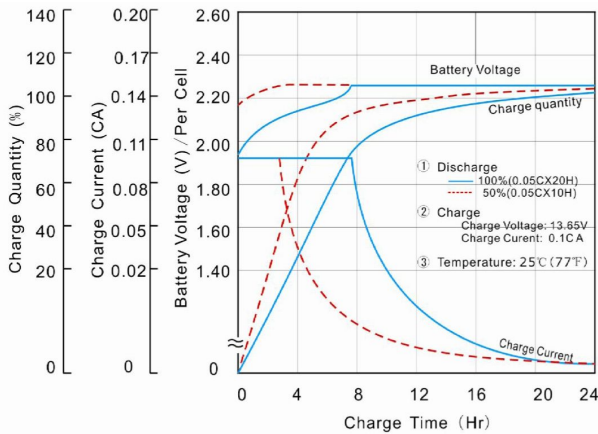
**Terminal Voltage (V) and Discharge Time**



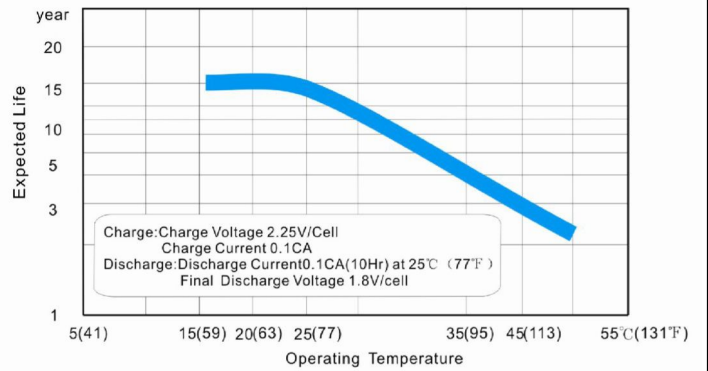
**Capacity Retention Characteristic**



**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	3509.13	2339.42	1140.47	769.96	476.66	360.56	293.89	243.59	214.35	174.43	146.21	74.86
1.80V/Cell	3600.00	2400.00	1170.00	789.90	489.00	369.90	301.50	249.90	219.90	178.95	150.00	76.80
1.75V/Cell	3643.20	2428.80	1184.04	799.38	494.87	374.34	305.12	252.90	222.54	181.10	151.80	77.72
1.70V/Cell	3971.09	2574.53	1255.08	831.27	503.58	380.93	310.49	257.35	226.46	184.28	154.47	79.09
1.67V/Cell	4371.84	2793.12	1361.65	877.72	508.97	385.01	313.81	260.11	228.88	186.26	156.13	79.94

**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	6842.8	4561.9	2223.9	1501.4	929.5	703.1	573.1	475.0	418.0	340.1	285.1	146.0
1.80V/Cell	7020.0	4680.0	2281.5	1540.3	953.6	721.3	587.9	487.3	428.8	349.0	292.5	149.8
1.75V/Cell	7104.2	4736.2	2308.9	1558.8	965.0	730.0	595.0	493.2	434.0	353.1	296.0	151.6
1.70V/Cell	7743.6	5020.3	2447.4	1621.0	982.0	742.8	605.5	501.8	441.6	359.4	301.2	154.2
1.67V/Cell	8525.1	5446.6	2655.2	1711.5	992.5	750.8	611.9	507.2	446.3	363.2	304.4	155.9