



VRLA Battery

ML 2500-2

2V2500AH

ML-size Battery

MHB ML Series—Longer service life Battery

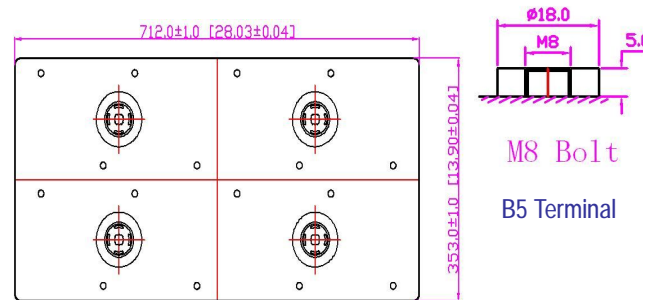
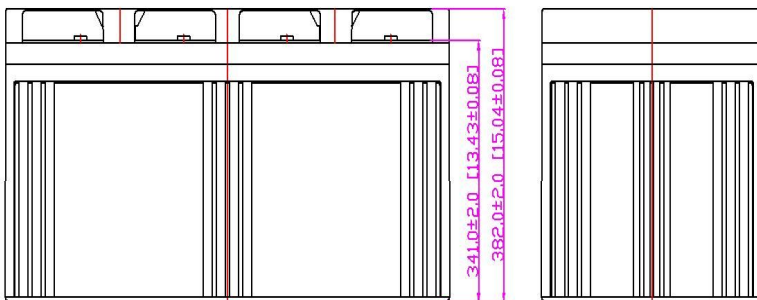
- High performance, completely maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula and updated manufacturing technique
- Floating & standby use: up to 15 years
- Cycle use 1: Up to 260 cycles at 100% DOD
- Cycle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



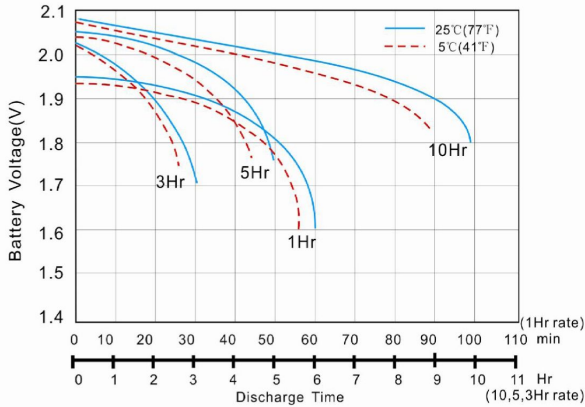
Speification:

Battery Model	ML 2500 -2 2V2500AH			
Designed Floating Life	Up to 15 Years			
Capacity (25°C)	10HR(250.00A,10.8V)	5HR(416.50A,10.8V)	3HR(616.50A,10.8V)	1HR(1316.50A,10.8V)
	2500.00AH	2082.50AH	1849.50AH	1316.50AH
Dimensions	Length	Width	Height	Total Height
	712mm (28.03inch)	353mm (13.90inch)	341mm (13.43inch)	382mm (15.04inch)
Approx. Weight	171.00Kg (377.07 lbs)			
Internal Resistance	Full charged at 25°C: ≤0.20mΩ			
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:625.0A		2.25-2.30V (-3.0mV/°C)	

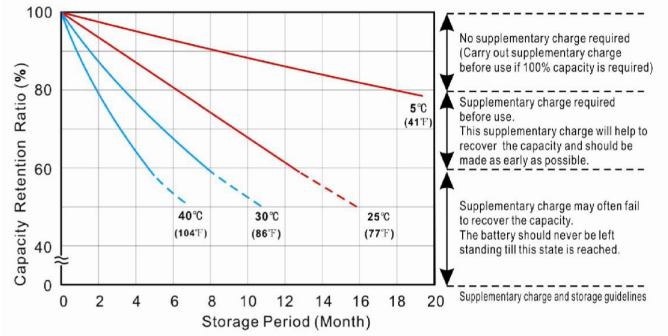
FUJIAN MINHUA POWER SOURCE CO., LTD.

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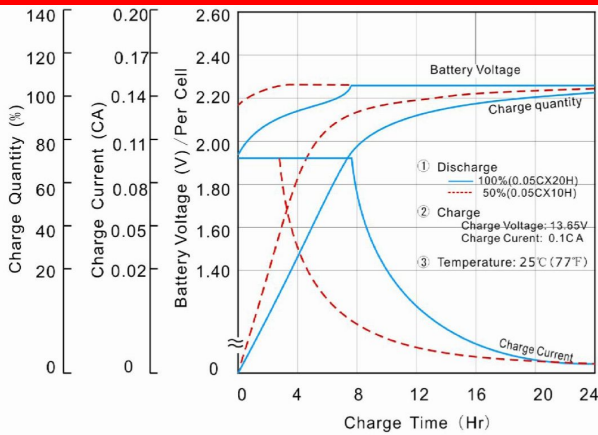
Terminal Voltage (V) and Discharge Time



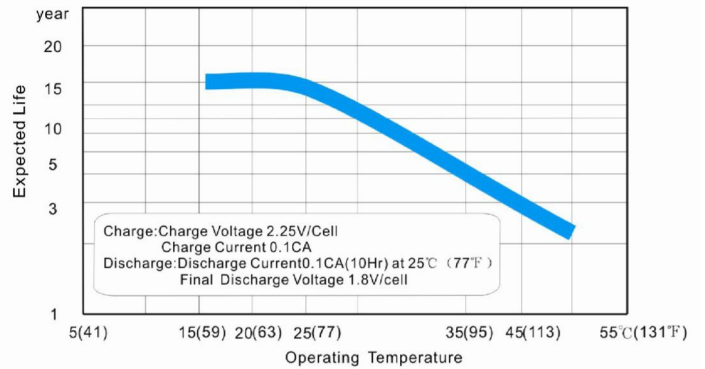
Capacity Retention Characteristic



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	5848.55	3899.03	1900.78	1283.27	794.43	600.94	489.82	405.99	357.25	290.72	243.69	124.77
1.80V/Cell	6000.00	4000.00	1950.00	1316.50	815.00	616.50	502.50	416.50	366.50	298.25	250.00	128.00
1.75V/Cell	6072.00	4048.00	1973.40	1332.30	824.78	623.90	508.53	421.50	370.90	301.83	253.00	129.54
1.70V/Cell	6618.48	4290.88	2091.80	1385.46	839.30	634.88	517.48	428.92	377.43	307.14	257.45	131.82
1.67V/Cell	7286.40	4655.20	2269.41	1462.86	848.29	641.68	523.02	433.51	381.47	310.43	260.21	133.23

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	11404.7	7603.1	3706.5	2502.4	1549.1	1171.8	955.1	791.7	696.6	566.9	475.2	243.3
1.80V/Cell	11700.0	7800.0	3802.5	2567.2	1589.3	1202.2	979.9	812.2	714.7	581.6	487.5	249.6
1.75V/Cell	11840.4	7893.6	3848.1	2598.0	1608.3	1216.6	991.6	821.9	723.3	588.6	493.4	252.6
1.70V/Cell	12906.0	8367.2	4079.0	2701.6	1636.6	1238.0	1009.1	836.4	736.0	598.9	502.0	257.0
1.67V/Cell	14208.5	9077.6	4425.3	2852.6	1654.2	1251.3	1019.9	845.3	743.9	605.3	507.4	259.8

