MHB BATTERY

VRLA Battery MS 7-12 12V7.2AH

MS Series SLA Battery

MHB MS Series--Small-size batteries

- 100% before shipment testing, stable and reliable long-term quality
- patented grid alloy formula and updated manufacturing technique
- completely sealed and maintenance-free, low self-discharge
- Excellent charging and re-charging acceptance
- Cycle use: More than 260 cycles at 100% DOD
- Floating & standby use: 3-5 years

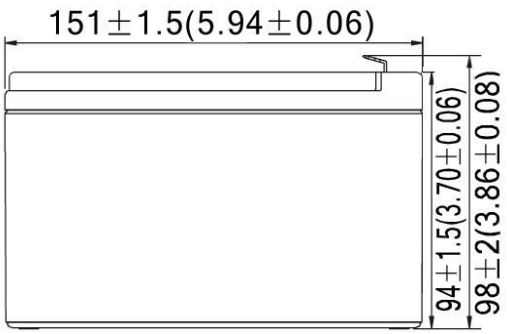
Application:

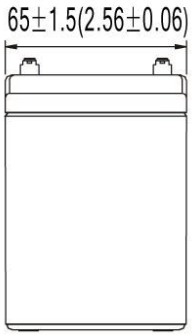
- Alarm System
- Cable Television
- Communication Equipment
- Emergency Power System
- Security System
- Medical Equipment
- UPS
- Power tools
- Control Equipment
- Toys

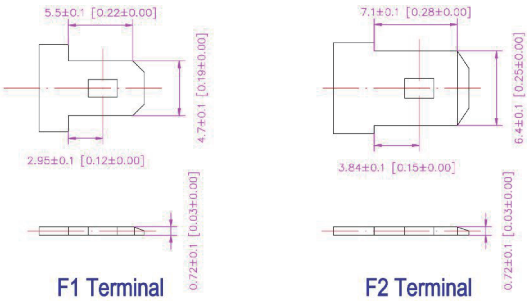
ISO14001 ISO9001 TB09075935 MH 47104

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







Speification:

Battery Model	MS 7-12 12V7.2AH			
Designed Floating Life	3～5 Years			
Capacity (25℃)	20HR(0.360A,10.5V)	10HR(0.682A,10.5V)	5HR(1.224A,10.5V)	1HR(4.17A,10.5V)
	7.20 AH	6.82AH	6.12AH	4.17AH
Dimensions	Length	Width	Height	Total Height
	151 mm	65 mm	94 mm	98 mm
Approx. Weight	2.10Kg ±3%			
Internal Resistance	Full charged at 25℃ : ≤30.00 mΩ			
Self Discharge	2% of capacity declined per month at (25℃)			
Capacity Affected by Temp.(20HR)	40℃	25℃	0℃	-15℃
	102%	100%	85%	65%
Charge Voltage(25oC)	Cycle use		Float use	
	14.4-15.0V(-30mV/℃), max. Current: 2.16A		13.5-13.8V (-20mV/℃)	

FUJIAN MINHUA POWER SOURCE CO., LTD.

www.mhb-battery.com

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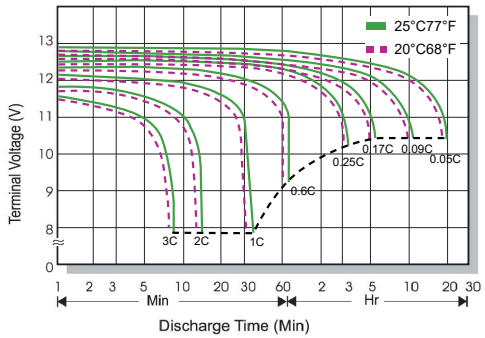
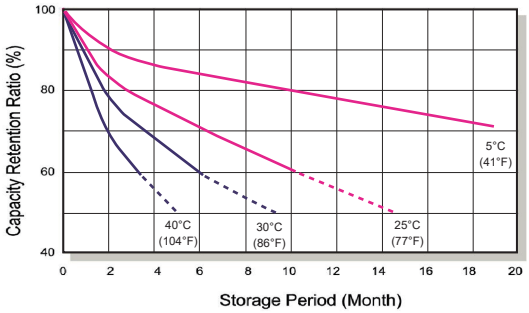
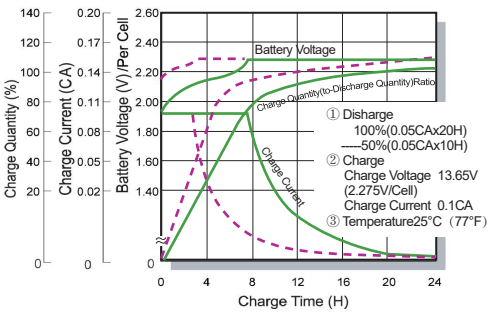
Terminal Voltage (V) and Discharge Time



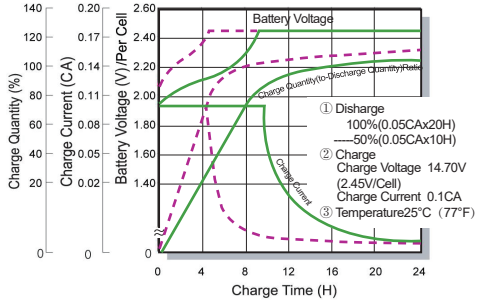
Capacity Retention Characteristic



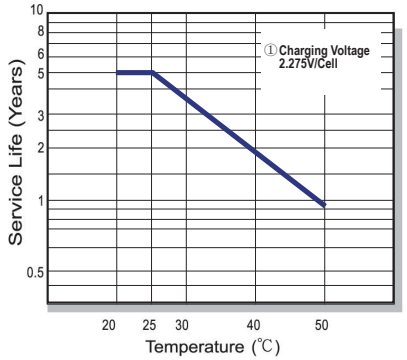
Battery Vlotage and Charge Time for Standby Use



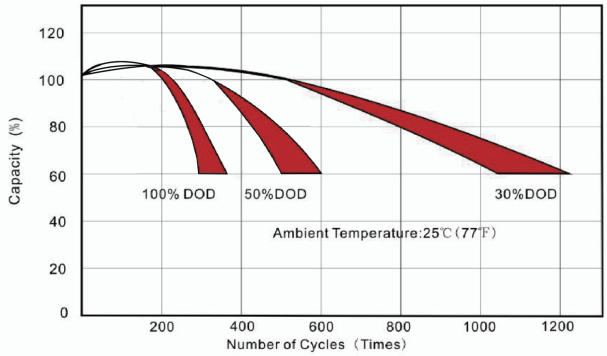
Battery Vlotage and Charge Time for Cycle Use



Tickle(or Float) Service Life



Cycle Service Life



Constant Current Discharge(CC,Unit:A) at 25℃(77℉)

F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.80V/Cell	23.42	16.16	11.19	6.94	4.09	2.39	1.82	1.446	1.201	1.026	0.669	0.353
1.75V/Cell	23.86	16.47	11.4	7.07	4.17	2.44	1.85	1.473	1.224	1.046	0.682	0.36
1.70V/Cell	24.57	16.96	12.09	7.36	4.24	2.48	1.89	1.499	1.245	1.064	0.694	0.366
1.67V/Cell	25.29	17.45	13.11	7.77	4.29	2.51	1.91	1.515	1.259	1.075	0.701	0.37
1.60V/Cell	26	17.95	13.8	8.1	4.33	2.53	1.93	1.532	1.272	1.087	0.709	0.374

Constant Power Discharge (CP,Unit:W) at 25℃(77℉)

F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.80V/Cell	45.66	31.52	21.83	13.54	7.98	4.66	3.55	2.82	2.34	2	1.31	0.69
1.75V/Cell	46.52	32.11	22.24	13.79	8.13	4.75	3.61	2.87	2.39	2.04	1.33	0.7
1.70V/Cell	47.92	33.07	23.57	14.34	8.27	4.83	3.68	2.92	2.43	2.07	1.35	0.71
1.67V/Cell	49.31	34.04	25.57	15.14	8.36	4.88	3.72	2.95	2.45	2.1	1.37	0.72
1.60V/Cell	50.71	35	26.9	15.79	8.45	4.94	3.76	2.99	2.48	2.12	1.38	0.73