MHB BATTERY

VRLA Battery **MNG 65-12A** **12V65AH**

MNG Series GEL Battery

MHB MNG Series—Storage-type Gelled Battery

- Completely sealed and maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula, Gelled electrolyte formula and updated manufacturing technique
- Floating & standby use:up to 10 years
- Cycle use 1: Up to 350 cycles at 100% DOD
- Cycle use 2: Up to 1800 cycles at 30% DOD

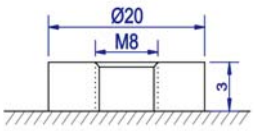
ISO14001 ISO9001 TB09075935 MH 47104

Application:

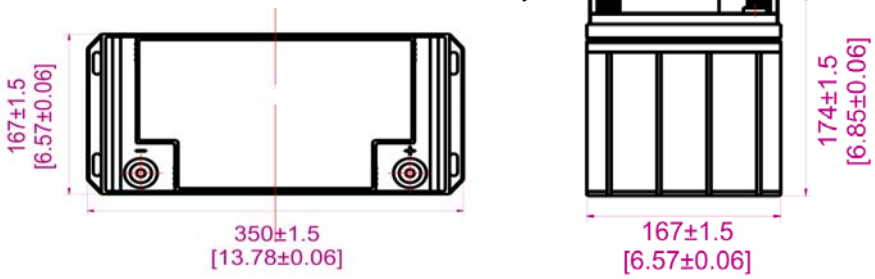
- Telecommunications
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Alarm and security system
- Communication power supply
- DC power supply
- Auto control system

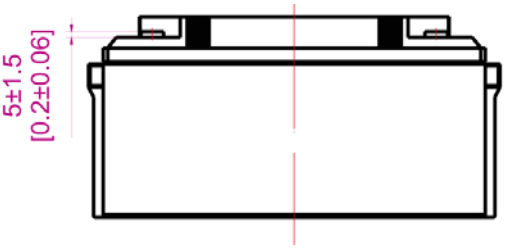
Construction:

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



M8 Bolt





Speification:

Battery Model	MNG 65-12A 12V65AH			
Designed Floating Life	Up to 10 Years			
Capacity (25℃)	20HR(3.29A,10.8V)	10HR(6.55A,10.8V)	5HR(10.78A,10.5V)	1HR(36.50A,10.5V)
	65.80AH	65.50AH	53.90AH	36.50AH
Dimensions	Length	Width	Height	Total Height
	350mm (13.78inch)	167mm (6.57inch)	174mm (6.85inch)	174mm (6.85inch)
Approx. Weight	21.00Kg (46.31lbs)±5%			
Internal Resistance	Full charged at 25℃:≤6.3mΩ			
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(25℃)	Cycle use		Float use	
	14.40-15.00V(-30mV/℃), max. Current:19.5A		13.50-13.80V (-20mV/℃)	

FUJIAN MINHUA POWER SOURCE CO., LTD.

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V-0 2011-11-20

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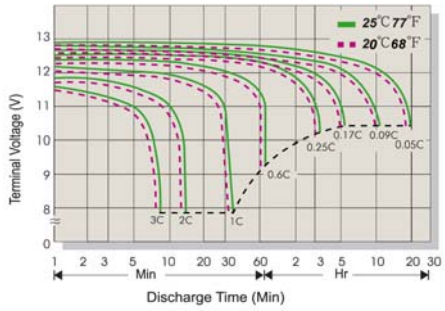
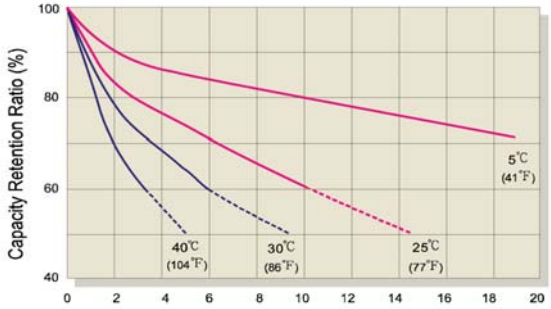
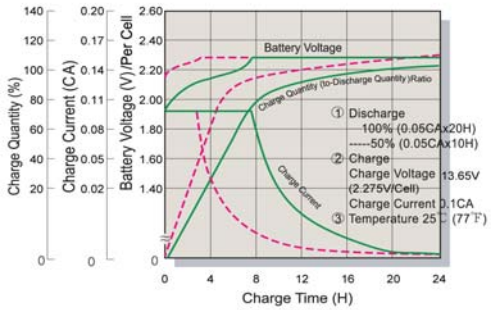
Terminal Voltage (V) and Discharge Time



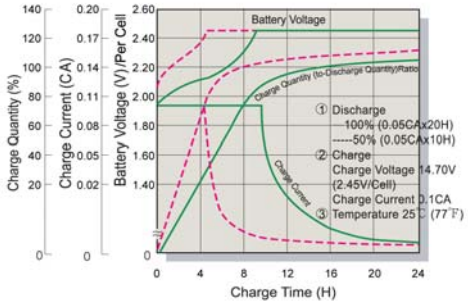
Capacity Retention Characteristic



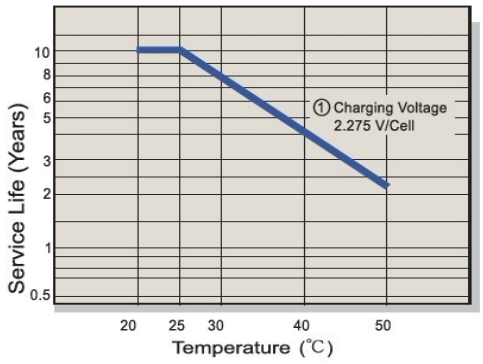
Battery Vlotage and Charge Time for Standby Use



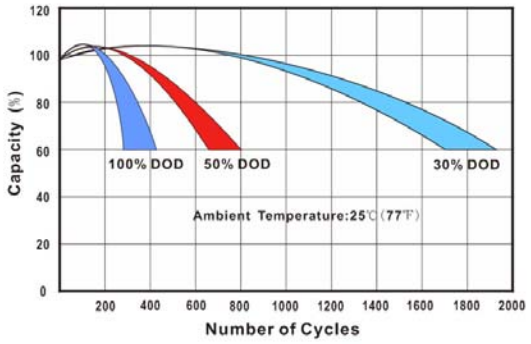
Battery Vlotage and Charge Time for Cycle Use



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
1.85V/Cell	148.0	109.0	94.6	57.1	33.6	19.82	14.76	12.45	10.24	9.43	6.29	3.14
1.80V/Cell	153.6	113.2	98.2	59.3	35.1	20.65	15.41	12.97	10.68	9.82	6.55	3.29
1.75V/Cell	169.0	118.9	103.2	61.7	36.5	21.26	15.85	13.10	10.78	9.92	6.62	3.31
1.70V/Cell	189.0	124.5	108.1	64.6	37.2	21.66	16.16	13.23	10.89	10.02	6.68	3.34
1.67V/Cell	209.0	130.2	113.0	66.4	38.6	22.27	16.64	13.36	10.99	10.12	6.75	3.38
Constant Power Discharge (CP,Unit:W) at 25℃(77℉)												
F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	281.2	207.2	179.8	108.5	63.9	37.7	28.04	23.65	19.47	17.92	11.95	5.97
1.80V/Cell	291.9	215.0	186.7	112.7	66.6	39.2	29.29	24.64	20.28	18.67	12.45	6.22
1.75V/Cell	321.1	225.8	196.0	117.1	69.3	40.4	30.12	24.89	20.48	18.86	12.57	6.29
1.70V/Cell	359.0	236.5	205.3	122.8	70.6	41.1	30.70	25.13	20.68	19.04	12.69	6.35
1.67V/Cell	397.1	247.3	214.7	126.1	73.3	42.3	31.61	25.38	20.89	19.23	12.82	6.41