

MHB MNG Series--Deep Cycle GEL SLA 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: More than 350 cycles at 100% DOD
- Cycle use 2: More than 1800cycles at 30% DOD

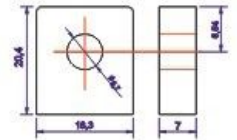


Application:

- Telecommunications
- UPS/EPS
- DC PowerSupply
- Solar system
- Wind Power System
- Auto Control Sytem

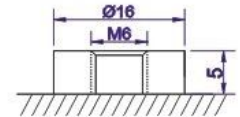
Construction:

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy
- Safety valve Rubber
- TerminalCopper/Pb
- SeparatorFiber glass
- Electrolyte Sulfuric acid



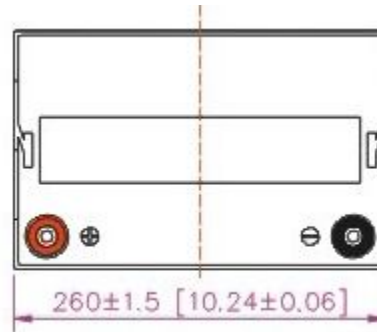
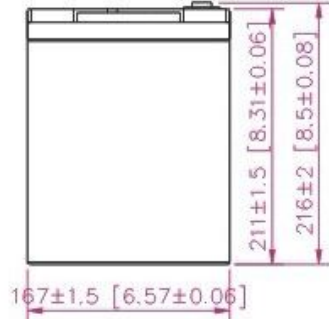
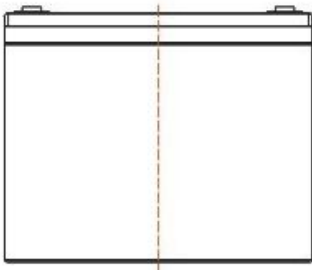
M6 Bolt & Nut

T11 Terminal



M6 Bolt

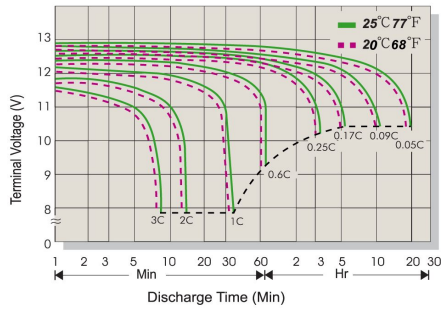
B4 Terminal



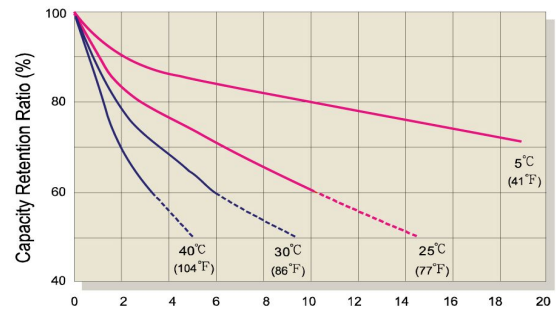
Speification:

Battery Model	MNG75-12 12V75AH			
Designed Floating Life	Up to 10 Years			
Capacity (25°C)	20HR(4.290A,10.8V)	10HR(8.000A,10.8V)	5HR(14.370A,10.5V)	1HR(44.430A,10.5V)
	79.60AH	75.00AH	72.95AH	48.86AH
Dimensions	Length	Width	Height	Total Height
	260 mm	167 mm	213 mm	216 mm
Approx. Weight	22.00KGS +/-5%			
Internal Resistance	Full charged at 25°C: ≤7.20 mΩ			
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(25oC)	Cycle use		Float use	
	14.4-14.6V(-30mV/°C), max. Current:22.00A		13.5-13.8V (-20mV/°C)	

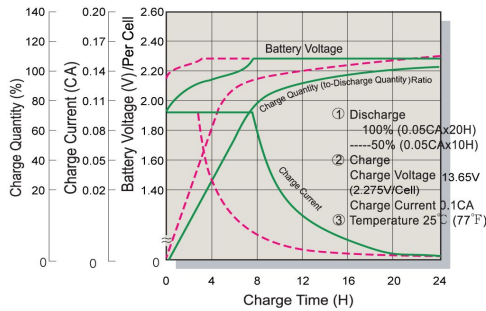
Terminal Voltage (V) and Discharge Time



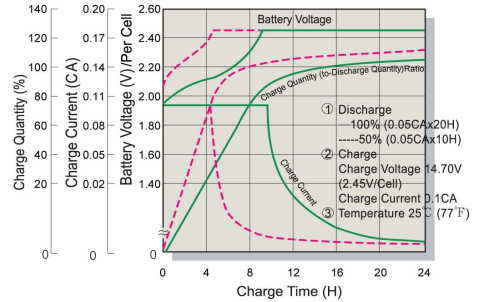
Capacity Retention Characteristic



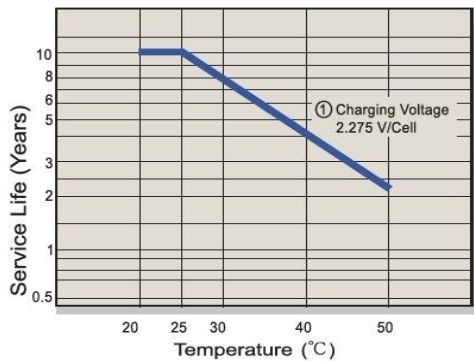
Battery Voltage and Charge Time for Standby Use



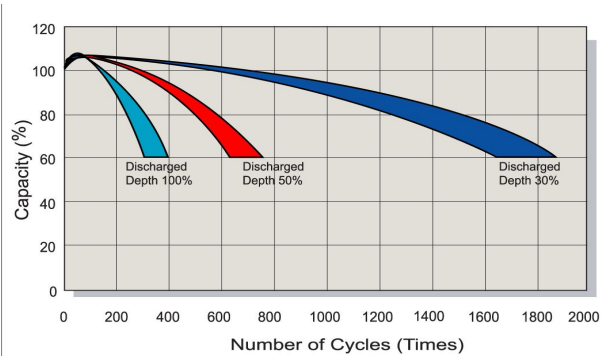
Battery Voltage and Charge Time for Cycle Use



Tickle(or Float) Service Life



Cycle Service Life



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

F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	180.2	132.7	115.2	69.5	41.1	24.2	18.0	15.21	12.52	11.52	7.68	3.92
1.80V/Cell	187.7	138.2	120.0	72.4	42.8	25.2	18.8	15.84	13.04	12.00	8.00	4.00
1.75V/Cell	206.4	145.2	126.0	75.3	44.5	26.0	19.4	16.00	13.17	12.12	8.08	4.04
1.70V/Cell	230.8	152.1	132.0	78.9	45.4	26.5	19.7	16.16	13.30	12.24	8.16	4.08
1.67V/Cell	255.2	159.0	138.0	81.1	47.1	27.2	20.3	16.32	13.43	12.36	8.24	4.12

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

F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	342.3	252.1	218.9	132.1	78.1	46.0	34.3	28.89	23.78	21.89	14.59	7.44
1.80V/Cell	356.6	262.7	228.0	137.6	81.3	47.9	35.7	30.10	24.78	22.80	15.20	7.60
1.75V/Cell	392.3	275.8	239.4	143.1	84.6	49.3	36.8	30.40	25.02	23.03	15.35	7.68
1.70V/Cell	438.6	288.9	250.8	149.9	86.2	50.3	37.5	30.70	25.27	23.26	15.50	7.75
1.67V/Cell	485.0	302.1	262.2	154.1	89.5	51.7	38.6	31.00	25.52	23.48	15.66	7.83