

MHB MNG Series-- Storage-type Gelled Battery

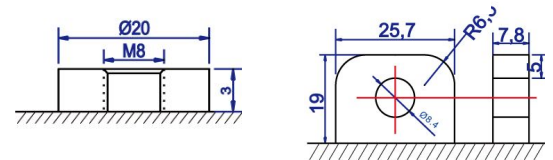
- completely sealed and maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula, Gelled electrolyte formula and updated manufacturing technique
- Floating & standby use: up to 12 years
- Cycle use 1: More than 350 cycles at 100% DOD
- Cycle use2: 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 Gelled acid

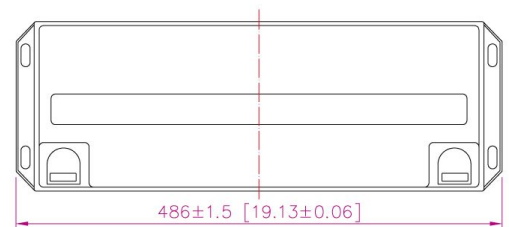
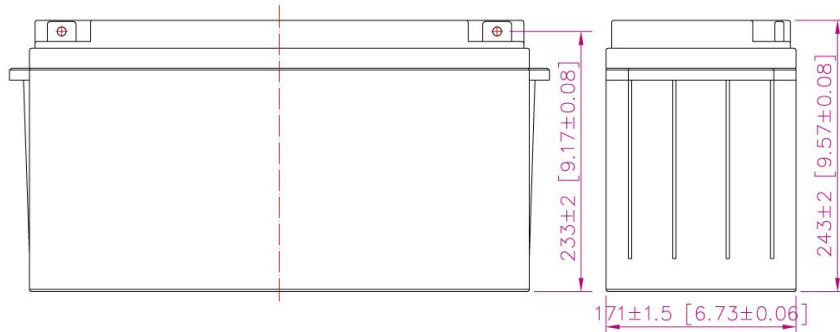


M8 Bolt

M8 Bolt

B4 Terminal

T19 Terminal

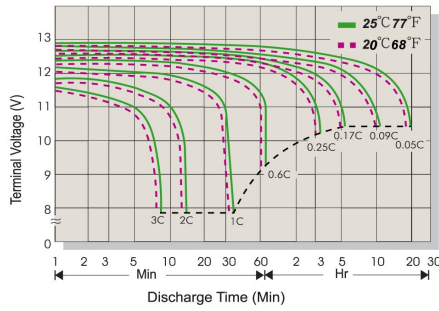


Speification:

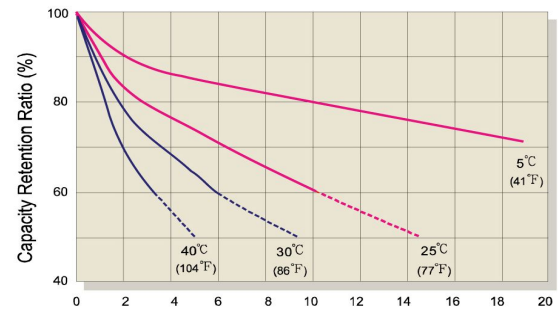
Battery Model	MNG 150-12 12V150AH			
Designed Floating Life	Up to 12 Years			
Capacity (25°C)	20HR(8.240 A,10.8V)	10HR(15.500A,10.8V)	5HR(27.580A,10.5V)	1HR(85.270A,10.5V)
	164.80 AH	155.00 AH	137.90 AH	85.27 AH
Dimensions	Length	Width	Height	Total Height
	486 mm	171 mm	243 mm	243 mm
Approx. Weight	46.50 KG±3%			
Internal Resistance	Full charged at 25°C: ≤5.30 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	
	14.4-15.0V(-30mV/°C), max. Current: 45.00A		13.5-13.8V (-20mV/°C)	

FUJIAN MINHUA POWER SOURCE CO., LTD.

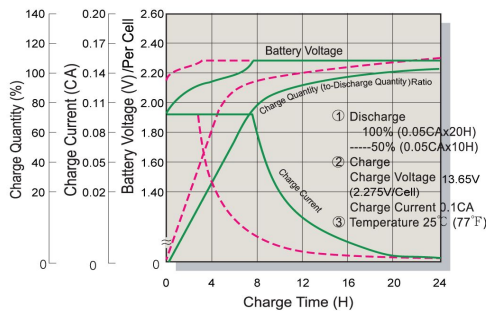
Terminal Voltage (V) and Discharge Time



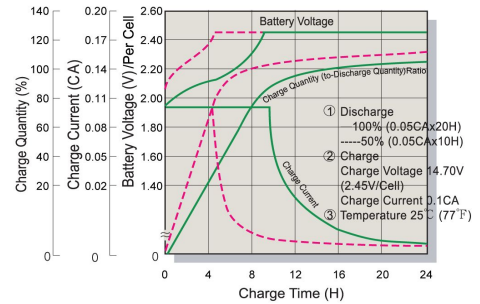
Capacity Retention Characteristic



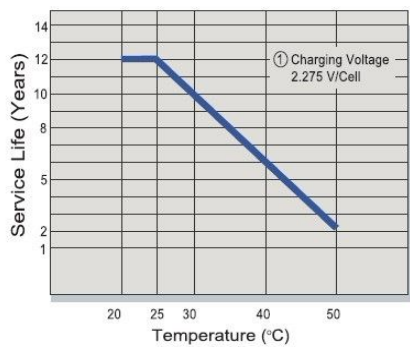
Battery Voltage and Charge Time for Standby Use



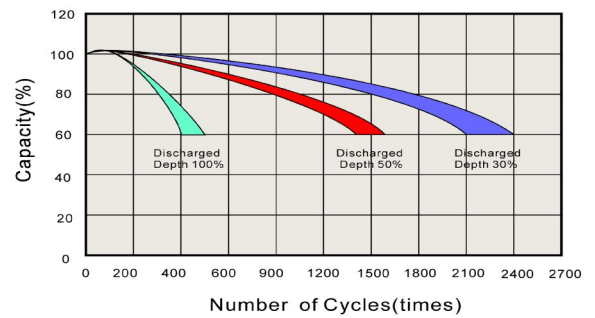
Battery Voltage and Charge Time for Cycle Use



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
1.80V/Cell	487.1	331.4	226.9	137.99	84.55	52.77	41.02	32.27	27.35	18.27	15.50	8.24
1.75V/Cell	491.3	334.2	228.8	139.16	85.27	53.21	41.37	32.54	27.58	18.43	15.70	8.36
1.70V/Cell	503.6	342.6	234.6	142.64	87.40	54.54	42.41	33.35	28.27	18.89	15.93	8.48
1.67V/Cell	515.8	350.9	240.3	146.12	89.53	55.87	43.44	34.17	28.96	19.35	16.12	8.61
1.60V/Cell	538.8	366.5	251.0	152.62	93.52	58.36	45.37	35.69	30.25	20.21	16.35	8.73

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
1.80V/Cell	949.9	646.2	442.5	269.1	164.9	102.89	80.00	62.92	53.33	35.63	30.23	16.06
1.75V/Cell	958.0	651.7	446.2	271.4	166.3	103.77	80.67	63.45	53.78	35.93	30.62	16.30
1.70V/Cell	981.9	668.0	457.4	278.1	170.4	106.36	82.69	65.04	55.13	36.83	31.07	16.54
1.67V/Cell	1005	684.3	468.5	284.9	174.6	108.95	84.71	66.62	56.47	37.73	31.43	16.78
1.60V/Cell	1050	714.8	489.4	297.6	182.4	113.81	88.48	69.59	58.99	39.41	31.89	17.02