

MSG Gel Battery

MHB MNG Series-- Storage-type Gelled Battery

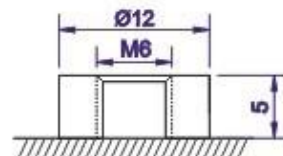
- completely sealed and maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula, Gelled electrolyte formula and updated manufacturing technique
- Floating & standby use: up to 8 years
- Cycle use 1: More than 350 cycles at 100% DOD
- Cycle use2: More than 1800cycles at 30% DOD

Application:

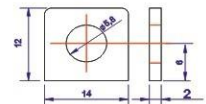
- Telecommunications
- UPS/EPS
- DC PowerSupply
- Solar system
- Wind Power System
- Auto Control Sytem

Construction:

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

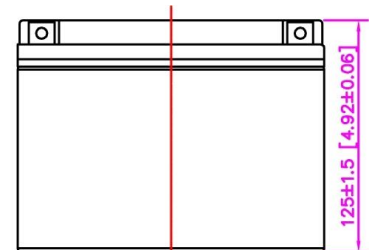
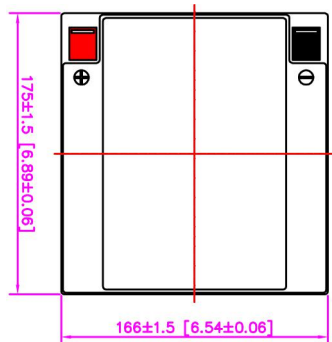
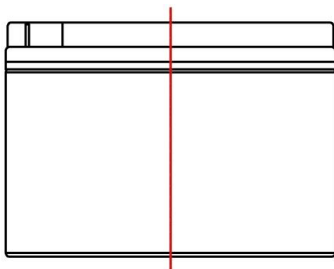


B2 Terminal



M5 Bolt & Nut

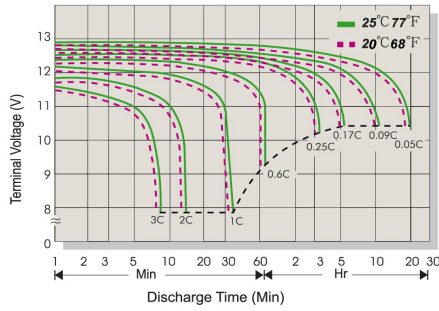
T3 Terminal



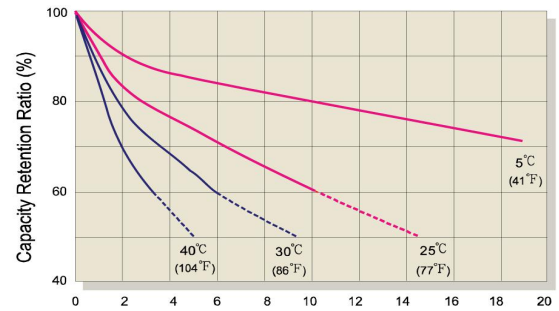
Speification:

Battery Model	MSG 26-12 12V26AH			
Designed Floating Life	Up to 8 Years			
Capacity (25°C)	20HR(1.3A,10.50V)	10HR(2.4A,10.50V)	5HR(3.92A,10.5V)	1HR(13.2A,10.5V)
	26AH	24AH	19.6AH	13.2AH
Dimensions	Length	Width	Height	Total Height
	175mm (6.89inch)	166mm 6.54inch)	125mm (4.926inch)	125mm (4.92inch)
Approx. Weight	7.50Kg ±3%			
Internal Resistance	Full charged at 25°C: ≤12mΩ			
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%	88%	78%
Charge Voltage(25oC)	Cycle use		Float use	
	14.4-14.6V(-30mV/°C), max. Current: 30.0A		13.6-13.8V (-20mV/°C)	

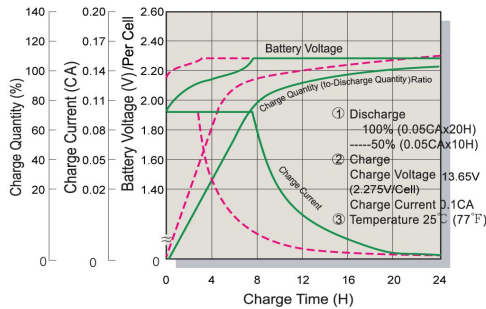
Terminal Voltage (V) and Discharge Time



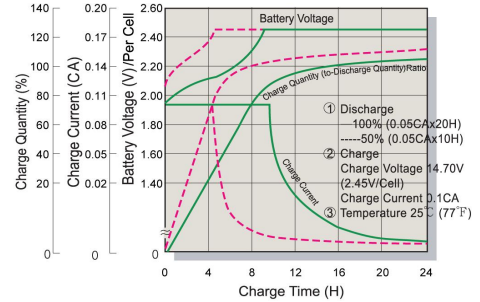
Capacity Retention Characteristic



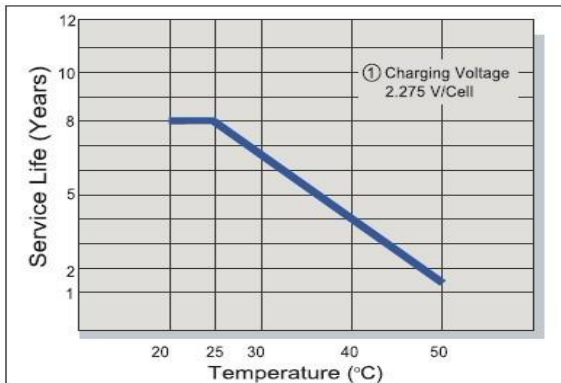
Battery Voltage and Charge Time for Standby Use



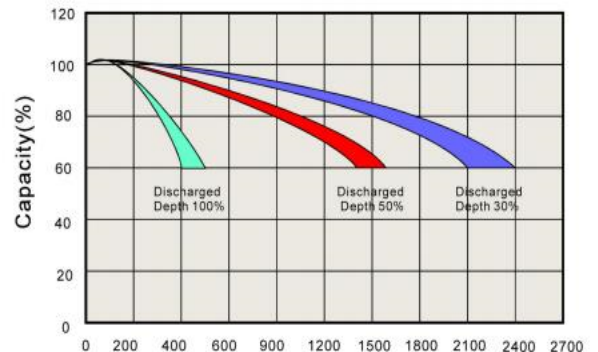
Battery Voltage and Charge Time for Cycle Use



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	53.8	39.6	34.4	20.7	12.2	7.2	5.4	4.52	3.72	3.43	2.28	1.24
1.80V/Cell	55.8	41.1	35.7	21.5	12.7	7.5	5.6	4.71	3.88	3.57	2.38	1.29
1.75V/Cell	61.4	43.2	37.5	22.4	13.2	7.7	5.8	4.76	3.92	3.61	2.40	1.30
1.70V/Cell	68.7	45.2	39.3	23.5	13.5	7.9	5.9	4.81	3.96	3.64	2.43	1.32
1.67V/Cell	75.9	47.3	41.1	24.1	14.0	8.1	6.0	4.85	4.00	3.68	2.45	1.33

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	102.2	75.3	65.3	39.4	23.2	13.7	10.2	8.60	7.08	6.51	4.34	2.35
1.80V/Cell	106.1	78.1	67.8	40.9	24.2	14.2	10.6	8.95	7.37	6.78	4.52	2.45
1.75V/Cell	116.7	82.0	71.2	42.6	25.2	14.7	10.9	9.04	7.44	6.85	4.57	2.48
1.70V/Cell	130.5	86.0	74.6	44.6	25.6	15.0	11.2	9.13	7.52	6.92	4.61	2.50
1.67V/Cell	144.3	89.9	78.0	45.8	26.6	15.4	11.5	9.22	7.59	6.99	4.66	2.52