

Storage-type Gelled Battery

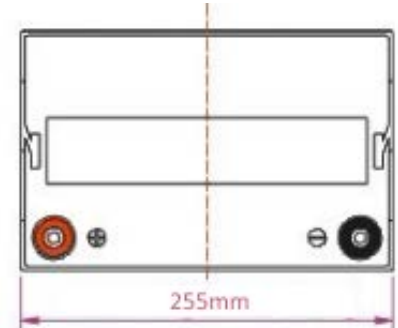
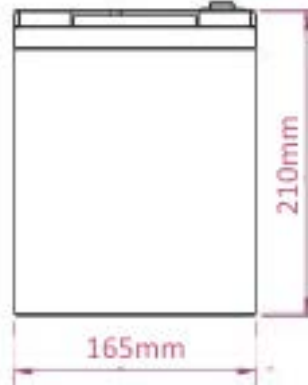
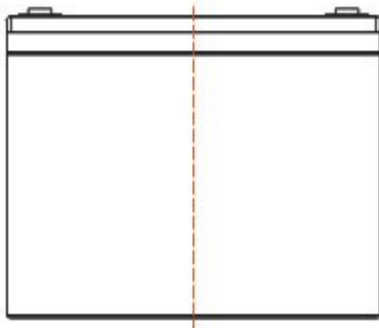
- Completely sealed and maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula, Gelled electrolyte formula and updated manufacturing technique
- Floating & standby use: up to 12 years
- Cycle use 1: Up to 350 cycles at 100% DOD
- Cycle use 2: Up to 1800 cycles at 30% DOD

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:

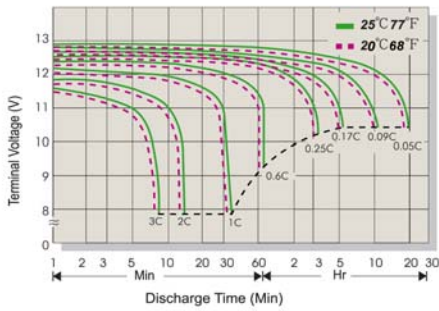
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy
- Safety valve Rubber
- TerminalCopper/Pb
- SeparatorFiber glass
- Electrolyte Sulfuric acid



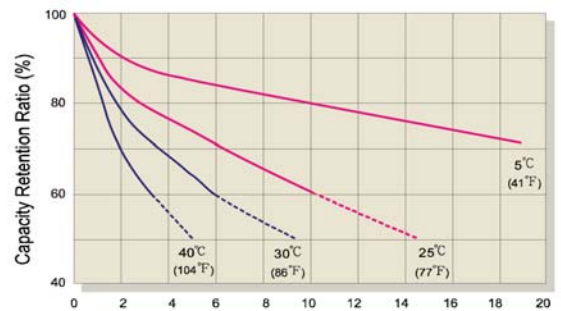
Speification:

Battery Model	MNG 80-12 12V80AH			
Designed Floating Life	Up to 12 Years			
Capacity (25°C)	20HR(4.04A, 10.8V)	10HR(8.00A, 10.8V)	5HR(13.18A, 10.5V)	1HR(44.56A, 10.5V)
	80.80AH	80.00AH	65.88AH	44.56AH
Dimensions	Length	Width	Height	Total Height
	260mm (10.24inch)	167mm (6.57inch)	211mm (8.31inch)	216mm (8.50inch)
Approx. Weight	22.50Kg (49.60 lbs) ± 5%			
Internal Resistance	Full charged at 25°C: ≤7.5mΩ			
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(25°C)	Cycle use		Float use	
	14.4-14.6V(-30mV/°C), max. Current:24.00A		13.6-13.8V (-20mV/°C)	

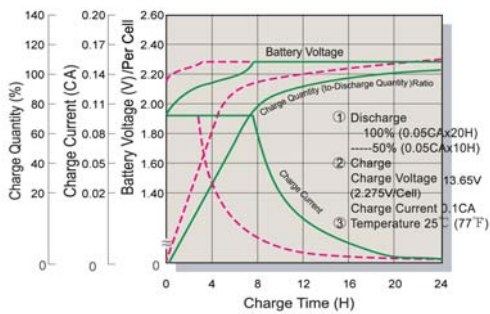
Terminal Voltage (V) and Discharge Time



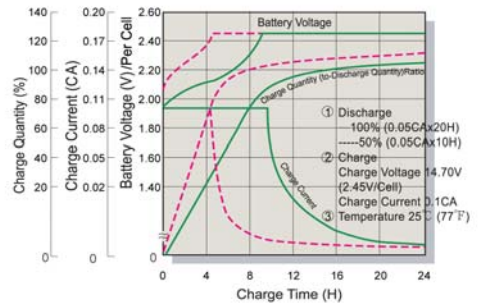
Capacity Retention Characteristic



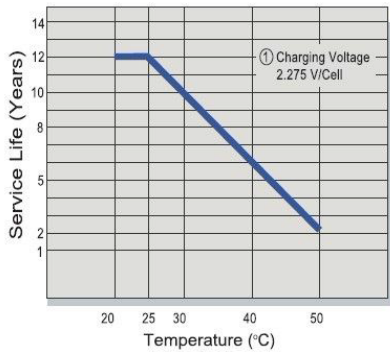
Battery Voltage and Charge Time for Standby Use



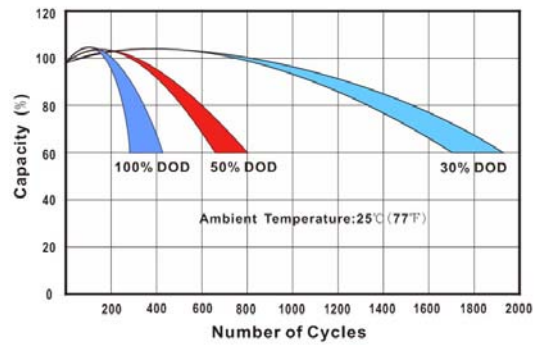
Battery Voltage and Charge Time for Cycle Use



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	180.56	133.12	115.68	69.76	41.12	24.23	18.04	15.22	12.53	11.53	7.68	3.84
1.80V/Cell	186.96	137.92	120.08	72.40	42.88	25.25	18.84	15.86	13.05	12.01	8.00	4.04
1.75V/Cell	206.56	145.12	126.16	75.28	44.56	25.99	19.38	16.02	13.18	12.13	8.08	4.06
1.70V/Cell	229.68	152.00	132.08	78.96	45.44	26.47	19.75	16.17	13.30	12.25	8.16	4.11
1.67V/Cell	254.72	158.88	138.16	81.04	47.12	27.22	20.34	16.33	13.44	12.37	8.24	4.14

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	343.12	252.88	219.76	132.56	78.08	46.00	34.27	28.91	23.80	21.90	14.59	7.30
1.80V/Cell	355.20	262.00	228.16	137.60	81.44	48.00	35.80	30.12	24.80	22.82	15.20	7.61
1.75V/Cell	392.48	275.68	239.60	143.04	84.72	49.36	36.81	30.42	25.04	23.05	15.35	7.69
1.70V/Cell	436.48	288.80	250.96	150.00	86.32	50.32	37.52	30.72	25.29	23.27	15.50	7.76
1.67V/Cell	484.00	301.92	262.48	154.00	89.52	51.68	38.64	31.02	25.54	23.50	15.66	7.84