



# 12V-65AH

## -- Storage-type Gelled Battery

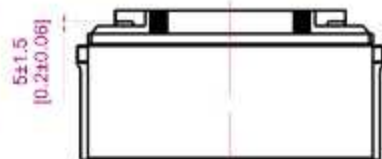
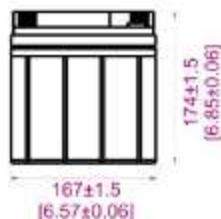
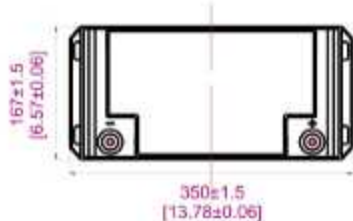
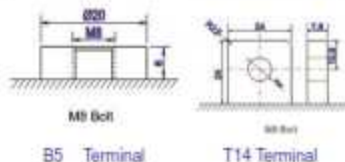
- completely sealed and maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula, Gelled electrolyte formula and updated manufacturing technique
- Floating & standby use up to 12 years
- Cycle use 1: More than 350 cycles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

- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy
- safety valve ..... Rubber
- Terminal .....Copper/Pb
- Separator .....Fiber glass
- Electrolyte ..... Gelled acid

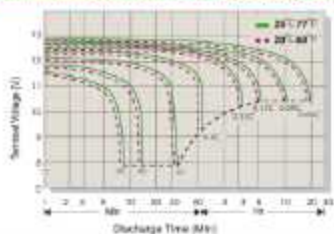


### Speification:

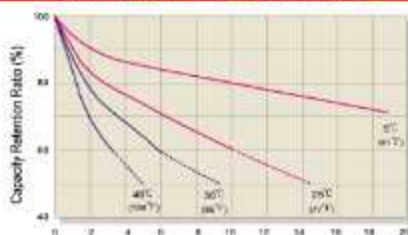
Battery Model	MMG 65-12 12V65AH			
Designed Floating Life	Up to 12 Years			
Capacity (25°C)	20HR(3.48A,10.8V)	10HR(6.74A,10.8V)	5HR(13.49A,10.5V)	1HR(46.08A,10.5V)
	69.60AH	67.40AH	67.45AH	46.08AH
Dimensions	Length	Width	Height	Total Height
	350mm (13.78inch)	167mm (6.57inch)	174mm (6.85inch)	174mm (6.85inch)
Approx. Weight	21.20Kg (46.75 lbs)±5%			
Internal Resistance	Full charged at 25°C: ≤8.0mΩ			
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	
	14.4-14.7V(-30mV/°C), max. Current:16.25A		13.50-13.80V (-20mV/°C)	



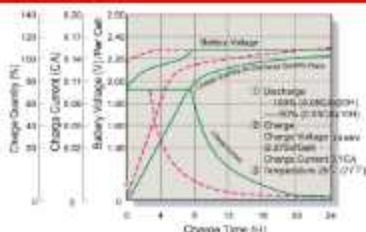
**Terminal Voltage (V) and Discharge Time**



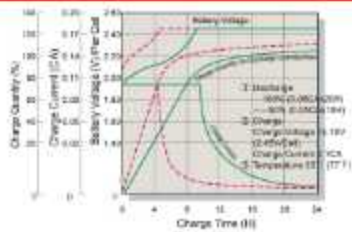
**Capacity Retention Characteristic**



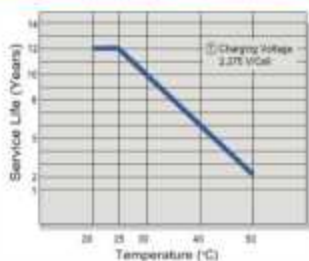
**Battery Voltage and Charge Time for Standby Use**



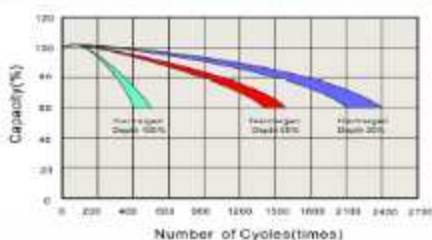
**Battery Voltage and Charge Time for Cycle Use**



**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	216.34	148.06	118.56	77.44	44.38	23.82	19.66	15.02	12.99	10.38	6.61	3.42
1.80V/Cell	220.47	150.89	120.83	78.92	45.23	24.27	20.03	15.31	13.24	10.57	6.74	3.48
1.75V/Cell	224.60	153.72	123.09	80.40	46.08	24.73	20.41	15.59	13.49	10.77	6.87	3.55
1.70V/Cell	244.82	162.94	130.48	83.60	46.89	25.16	20.77	15.87	13.73	10.96	6.99	3.61
1.67V/Cell	269.52	176.77	141.56	88.28	47.39	25.43	20.99	16.04	13.87	11.08	7.06	3.65

**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	421.86	288.71	231.20	151.00	86.55	46.45	38.33	29.29	25.33	20.23	12.90	6.67
1.80V/Cell	429.92	294.23	235.61	153.89	88.20	47.33	39.07	29.85	25.82	20.62	13.14	6.80
1.75V/Cell	437.98	299.74	240.03	156.77	89.85	48.22	39.80	30.41	26.30	21.00	13.39	6.92
1.70V/Cell	477.40	317.73	254.43	163.03	91.44	49.07	40.50	30.94	26.76	21.37	13.63	7.04
1.67V/Cell	525.57	344.71	276.04	172.14	92.41	49.59	40.93	31.27	27.05	21.60	13.77	7.12