

#### MHB MS Series--Small-size batteries

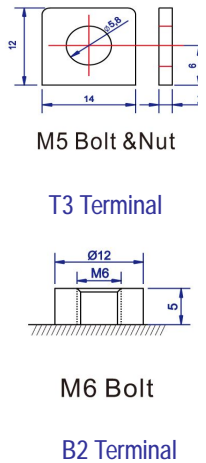
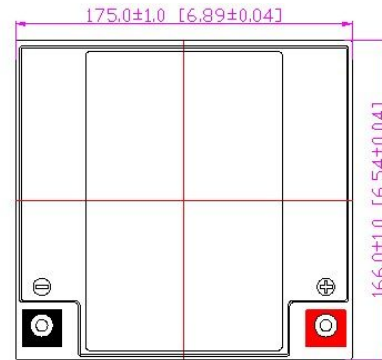
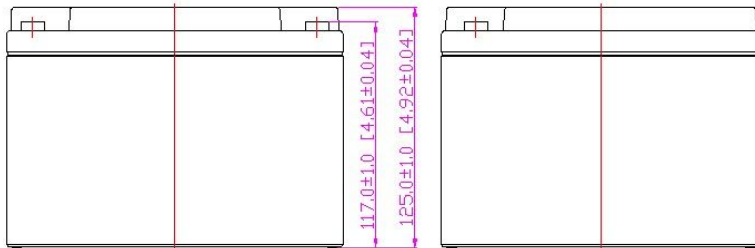
- 100% before shipment testing, stable and reliable long-term quality
- patented grid alloy formula and updated manufacturing technique
- completely sealed and maintenance-free, low self-discharge
- Excellent charging and re-charging acceptance
- Cycle use: More than 260 cycles at 100% DOD
- Floating & standby use: 3-5 years

#### Application:

- Alarm System
- Cable Television
- Communication Equipment
- Emergency Power System
- Security System
- Medical Equipment
- UPS
- Power tools
- Control Equipment
- Toys

#### Construction:

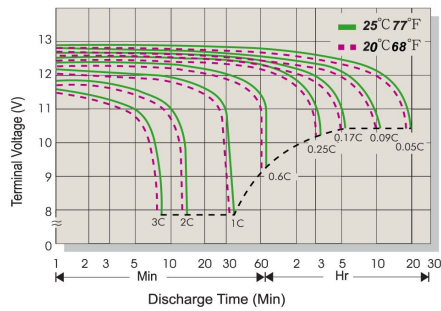
- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy
- Safety valve .... Rubber
- Terminal .....Copper
- Separator .....Fiber glass
- Electrolyte .....Sulfuric acid



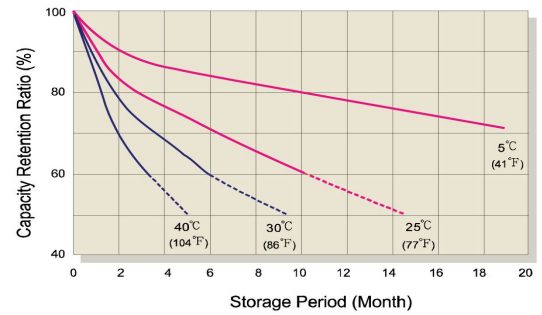
#### Specification:

Battery Model	MS 26-12 12V26AH			
Designed Floating Life	3~5 Years			
Capacity (25°C)	20HR(1.300A,10.5V)	10HR(2.490A,10.5V)	5HR(4.290A,10.5V)	1HR(13.260A,10.5V)
	26.00 AH	24.90 AH	21.45 AH	13.26 AH
Dimensions	Length	Width	Height	Total Height
	175 mm	166 mm	125 mm	125 mm
Approx. Weight	7.25Kg ±3%			
Internal Resistance	Full charged at 25°C : ≤14.50 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:5.50A		13.5-13.8V (-20mV/°C)	

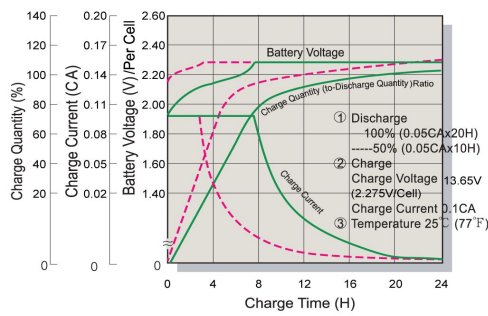
### Terminal Voltage (V) and Discharge Time



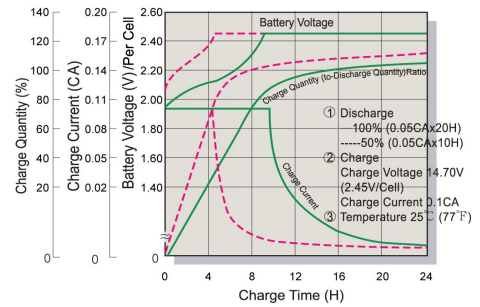
### Capacity Retention Characteristic



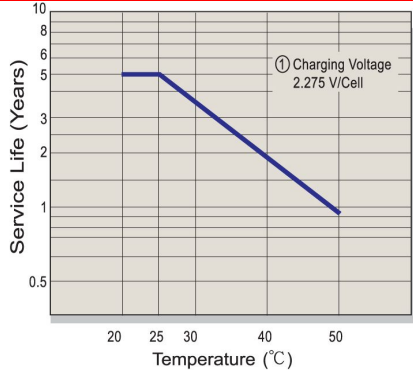
### Battery Voltage and Charge Time for Standby Use



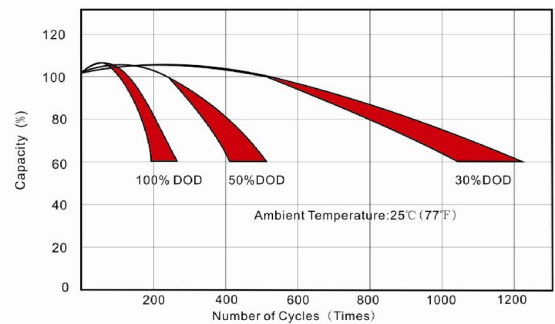
### Battery Voltage and Charge Time for Cycle Use



### 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
1.80V/Cell	78.98	54.12	37.87	24.04	13.15	8.21	6.38	5.02	4.25	2.84	2.47	1.29
1.75V/Cell	79.65	54.57	38.19	24.24	13.26	8.28	6.43	5.06	4.29	2.87	2.49	1.30
1.70V/Cell	81.64	55.94	39.14	24.85	13.59	8.48	6.59	5.19	4.40	2.94	2.55	1.33
1.67V/Cell	83.63	57.30	40.10	25.45	13.92	8.69	6.76	5.31	4.50	3.01	2.61	1.37
1.67V/Cell	87.36	59.85	41.88	26.59	14.54	9.08	7.06	5.55	4.70	3.14	2.73	1.43

### 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	154.0	105.5	73.84	46.87	25.64	16.00	12.44	9.78	8.29	5.54	4.81	2.51
1.75V/Cell	155.3	106.4	74.46	47.27	25.86	16.14	12.55	9.87	8.36	5.59	4.85	2.54
1.70V/Cell	159.2	109.1	76.32	48.45	26.50	16.54	12.86	10.11	8.57	5.73	4.97	2.60
1.67V/Cell	163.1	111.7	78.19	49.63	27.15	16.94	13.17	10.36	8.78	5.87	5.10	2.66
1.60V/Cell	170.3	116.7	81.67	51.84	28.36	17.70	13.76	10.82	9.17	6.13	5.32	2.78