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

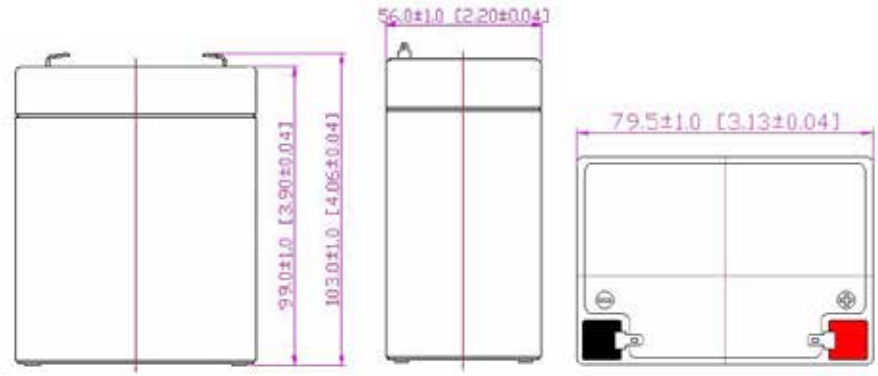
Application:

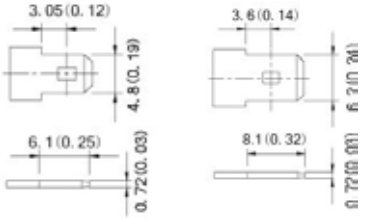
- Alarm System
- Cable Television
- Communication Equipment
- Emergency Power System
- Security System
- Medical Equipment
- UPS
- Power tools
- Control Equipment
- Toys

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

ISO14001 ISO9001 TB09075935 MH 47104





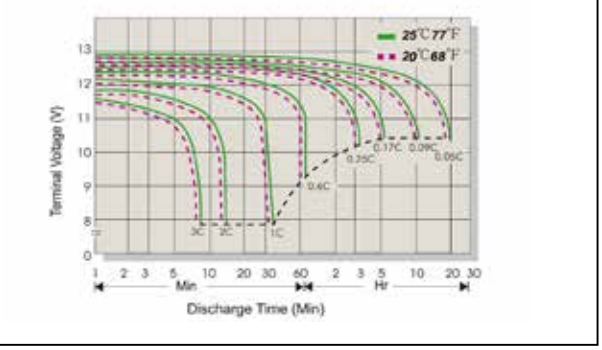
F1 Terminal F2 Terminal

Speification:

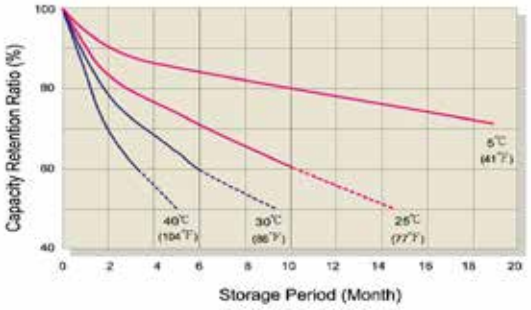
Battery Model	SLAUMXNP2.9-12 12V2.7AH			
Designed Floating Life	3～5 Years			
Capacity (25℃)	20HR(0.145A,10.5V)	10HR(0.28A,10.5V)	5HR(0.52A,10.5V)	1HR(1.74A,10.5V)
	2.70AH	2.65AH	2.60AH	1.74AH
Dimensions	Length	Width	Height	Total Height
	78mm	55mm	99mm	105mm
Approx. Weight	Minimum weight 1.2kg			
Internal Resistance	Full charged at 25℃ : ≤65mΩ			
Self Discharge	2% of capacity declined per month at (25℃)			
Capacity Affected by Temp.(20HR)	40℃	25℃	0℃	-15℃
	102%	100%	85%	65%
Charge Voltage(25℃)	Cycle use		Float use	
	14.4-15.0V(-30mV/℃), max. Current: 0.84A		13.6-13.8V (-20mV/℃)	

Ultra Max Batteries Ltd., Watkins House Pegamoid Rd., Montagu Industrial Estate, London N18 2NG
Tel: 020 8803 8899 F: 020 8803 8939 E: sales@baruch.co.uk W: www.ultramaxbatteries.com

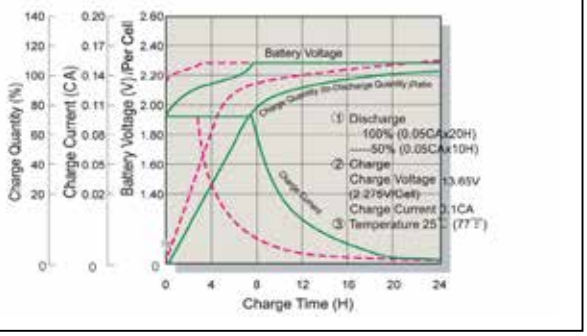
Terminal Voltage (V) and Discharge Time



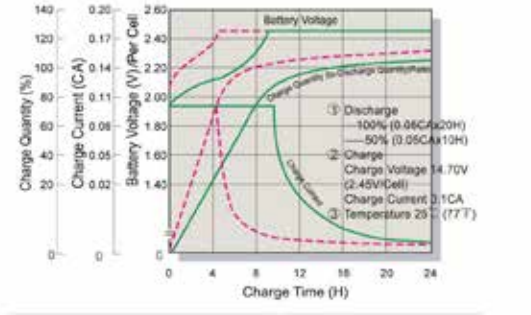
Capacity Retention Characteristic



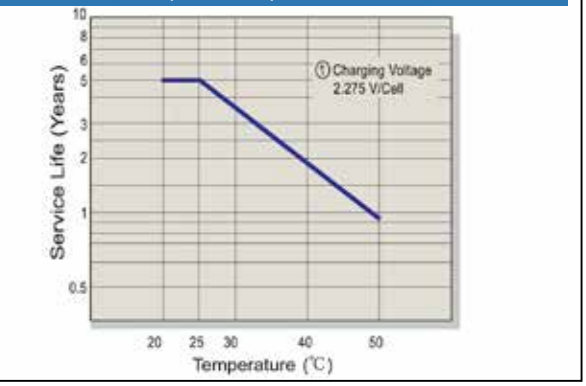
Battery Vlotage and Charge Time for Standby Use



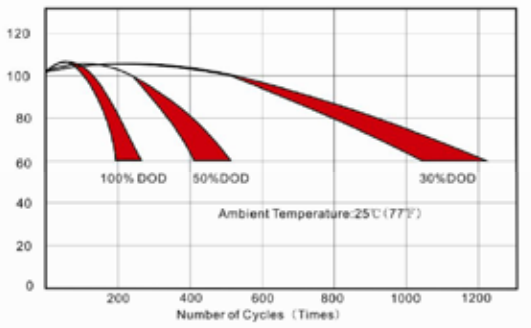
Battery Vlotage and Charge Time for Cycle Use



Tickle(or Float) Service Life



Cycle Service Life



Constant Current Discharge(CC,Unit:A) at 25℃(77℉)												
F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	8.00	5.91	4.28	2.88	1.67	0.96	0.73	0.586	0.503	0.410	0.269	0.140
1.80V/Cell	8.15	6.02	4.37	2.94	1.71	0.98	0.75	0.597	0.512	0.418	0.274	0.142
1.75V/Cell	8.30	6.13	4.45	2.99	1.74	1.00	0.76	0.608	0.522	0.425	0.279	0.145
1.70V/Cell	9.05	6.50	4.71	3.11	1.77	1.01	0.77	0.619	0.531	0.433	0.284	0.148
1.67V/Cell	9.96	7.05	5.11	3.29	1.79	1.02	0.78	0.625	0.537	0.438	0.287	0.149
1.60V/Cell	10.80	7.42	5.38	3.43	1.81	1.03	0.79	0.632	0.543	0.442	0.290	0.151
Constant Power Discharge (CP,Unit:W) at 25℃(77℉)												
F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	15.60	11.52	8.35	5.62	3.26	1.87	1.43	1.14	0.98	0.80	0.52	0.27
1.80V/Cell	15.89	11.74	8.51	5.73	3.33	1.91	1.46	1.16	1.00	0.81	0.53	0.28
1.75V/Cell	16.19	11.96	8.67	5.84	3.39	1.94	1.48	1.19	1.02	0.83	0.54	0.28
1.70V/Cell	17.65	12.68	9.19	6.07	3.45	1.98	1.51	1.21	1.04	0.84	0.55	0.29
1.67V/Cell	19.43	13.75	9.97	6.41	3.48	2.00	1.53	1.22	1.05	0.85	0.56	0.29
1.60V/Cell	21.05	14.47	10.49	6.68	3.52	2.02	1.54	1.23	1.06	0.86	0.57	0.29

Ultra Max Batteries Ltd., Watkins House Pegamoid Rd., Montagu Industrial Estate, London N18 2NG
Tel: 020 8803 8899 F: 020 8803 8939 E: sales@baruch.co.uk W: www.ultramaxbatteries.com