

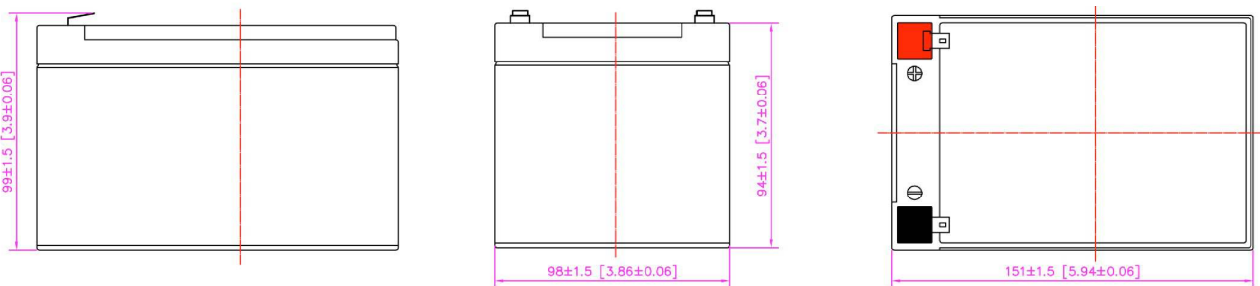
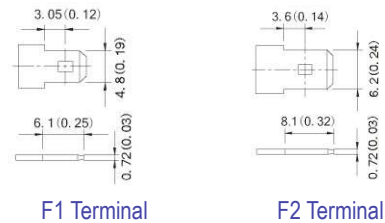
- 100% before shipment testing, stable and reliable long-term quality
- patented grid alloy formula and updated manufacturing technique
- completely sealed and maintenance-free, low self-discharge
- Excellent charging and re-charging acceptance
- Cycle use: More than 260 cycles at 100% DOD
- Floating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

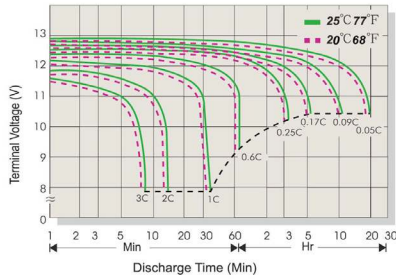
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy
- Safety valve Rubber
- TerminalCopper
- SeparatorFiber glass
- ElectrolyteSulfuric acid



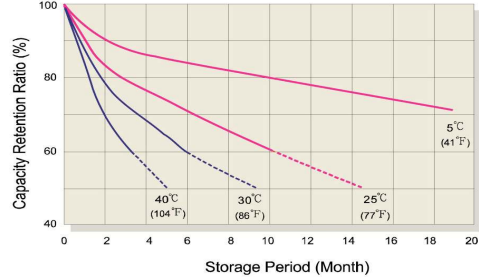
Speification:

Battery Model	LB12-12, 12 V / 12 Ah			
Designed Floating Life	3~5 Years			
Capacity (25°C)	20HR(0.60A,10.5V)	10HR(1.155A,10.5V)	5HR(2.16A,10.5V)	1HR(7.23A,10.5V)
	12.00AH	11.55AH	10.80AH	7.23AH
Dimensions	Length	Width	Height	Total Height
	151mm (5.94inch)	98mm (3.86inch)	94mm (3.70inch)	98mm (3.86inch)
Approx. Weight	3.45Kg (7.61 lbs) ±5%			
Internal Resistance	Full charged at 25°C : ≤16.5mΩ			
Self Discharge	3% 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: 3.60A		13.6-13.8V (-20mV/°C)	

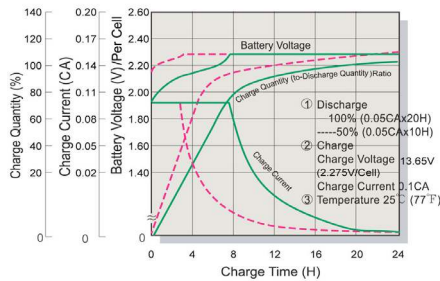
Terminal Voltage (V) and Discharge Time



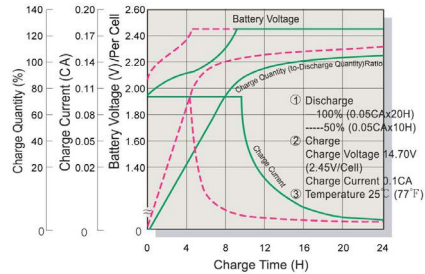
Capacity Retention Characteristic



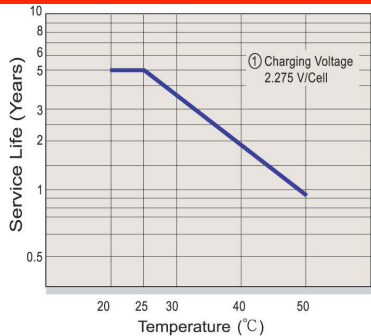
Battery Voltage and Charge Time for Standby Use



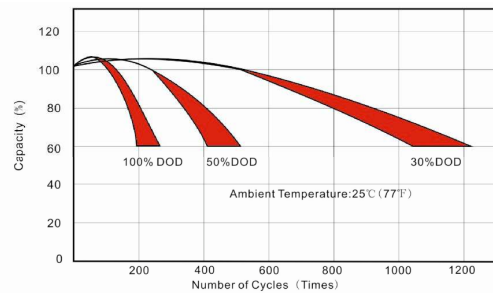
Battery Voltage and Charge Time for Cycle Use



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	39.45	23.29	18.31	11.93	6.96	4.03	3.09	2.538	2.080	1.696	1.112	0.578
1.80V/Cell	40.21	23.74	18.65	12.16	7.10	4.10	3.15	2.587	2.120	1.728	1.133	0.589
1.75V/Cell	40.96	24.18	19.00	12.39	7.23	4.18	3.21	2.635	2.160	1.761	1.155	0.600
1.70V/Cell	44.65	25.63	20.14	12.88	7.36	4.25	3.27	2.682	2.198	1.792	1.175	0.611
1.67V/Cell	49.15	27.81	21.86	13.60	7.44	4.30	3.30	2.711	2.221	1.811	1.187	0.617
1.60V/Cell	53.25	29.26	23.00	14.18	7.52	4.34	3.34	2.740	2.245	1.830	1.200	0.624

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	76.94	45.42	35.69	23.27	13.58	7.85	6.03	4.95	4.06	3.31	2.17	1.13
1.80V/Cell	78.40	46.28	36.38	23.71	13.84	8.00	6.14	5.04	4.13	3.37	2.21	1.15
1.75V/Cell	79.87	47.15	37.06	24.16	14.10	8.15	6.26	5.14	4.21	3.43	2.25	1.17
1.70V/Cell	87.06	49.98	39.28	25.12	14.35	8.29	6.37	5.23	4.29	3.49	2.29	1.19
1.67V/Cell	95.85	54.22	42.62	26.52	14.50	8.38	6.44	5.29	4.33	3.53	2.32	1.20
1.60V/Cell	103.84	57.05	44.84	27.66	14.66	8.47	6.51	5.34	4.38	3.57	2.34	1.22