

- 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



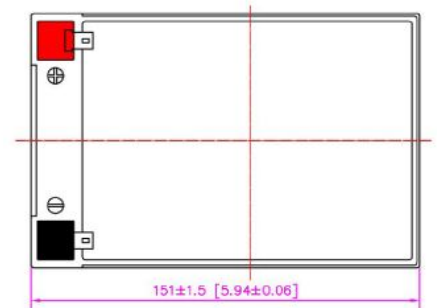
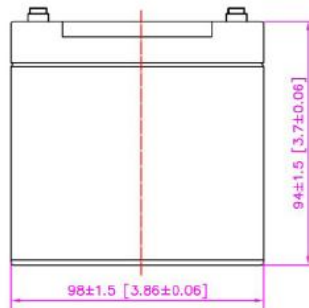
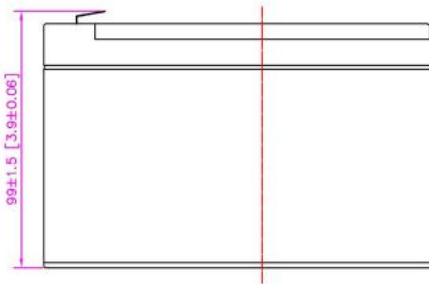
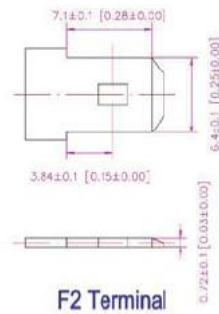
Application:

- *Alarm Systems
- *Cable Televisions
- *Communication Equipments
- *Emergency power systems
- *Security Systems
- *Medical Equipment
- *UPS
- *Power Tools
- *Control Equipment
- *Toys

Construction:

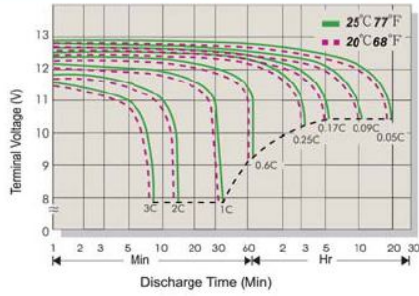
ComponentRaw material
 PositiveLead dioxide
 NegativeLead
 ContainerABS
 CoverABS

SealantEpoxy
 Safety Valve Rubber
 TerminalCopper
 SeparatorFiber glass
 Electrolyte Sulfuric acid

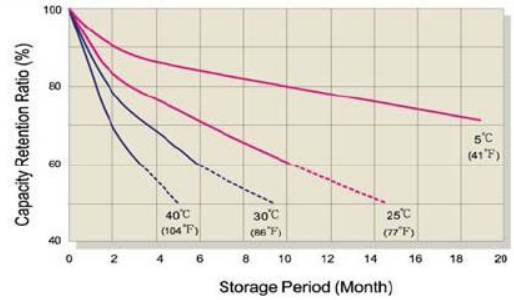


Battery Model	YD 12-12			
Designed Floating Life	3-5 Years			
Capacity (25°C)	20 HR (0.60 A, 10.5 V)	10 HR (1.089 A, 10.5 V)	5 HR (1.98 A, 10.5 V)	1 HR (6.12 A, 10.5 V)
	12.00 AH	10.89 AH	9.90 AH	6.12 AH
Dimensions	Lenght	Width	Height	Total Height
	151 mm	98 mm	94 mm	98 mm
Approx Weight	3.40 kg ± %3			
Internal Resistance	Full charged @25°C, equal or less than 20 mOhm			
Self Discharge	%2 capacity declined per month @25°C			
Capacity Affected By Temperature (20 HR)	40°C	25°C	0°C	-15°C
	%102	%100	%85	%65
Charge Voltage (25°C)	Cycle Use		Float Use	
	14.4-15.0 V (-30 m V/°C), maks. current: 3.0 A		13.5 - 13.8 V (-20 m V/°C)	

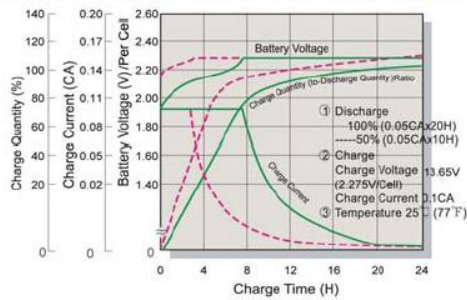
Terminal Voltage (V) and Discharge Time



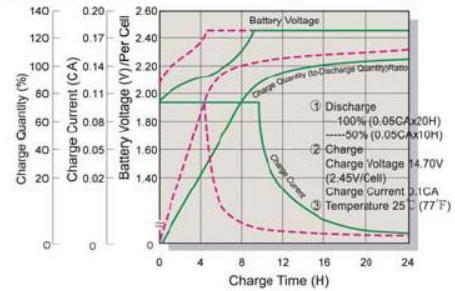
Capacity Retention Characteristic



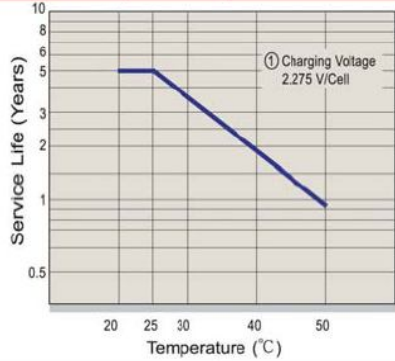
Battery Voltage and Charge Time for Standby Use



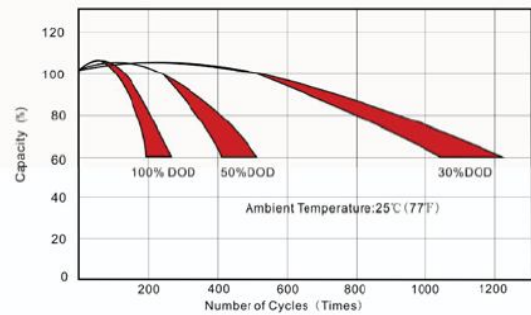
Battery Voltage and Charge Time for Cycle Use



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	36.08	24.72	17.30	10.98	6.007	3.749	2.915	2.292	1.943	1.298	1.068	0.589
1.75V/Cell	36.76	25.19	17.62	11.19	6.120	3.819	2.969	2.335	1.980	1.323	1.089	0.600
1.70V/Cell	37.86	25.94	18.15	11.52	6.304	3.934	3.058	2.406	2.039	1.362	1.121	0.611
1.67V/Cell	38.97	26.70	18.68	11.86	6.487	4.049	3.148	2.476	2.098	1.402	1.154	0.624
1.60V/Cell	40.07	27.45	19.21	12.20	6.671	4.163	3.237	2.546	2.158	1.442	1.186	0.642

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	70.37	48.21	33.74	21.42	11.71	7.31	5.68	4.47	3.79	2.53	2.08	1.15
1.75V/Cell	71.68	49.12	34.37	21.82	11.93	7.45	5.79	4.55	3.86	2.58	2.12	1.17
1.70V/Cell	73.83	50.59	35.40	22.47	12.29	7.67	5.96	4.69	3.98	2.66	2.19	1.19
1.67V/Cell	75.99	52.06	36.43	23.13	12.65	7.89	6.14	4.83	4.09	2.73	2.25	1.22
1.60V/Cell	78.14	53.54	37.46	23.78	13.01	8.12	6.31	4.96	4.21	2.81	2.31	1.25