

- 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

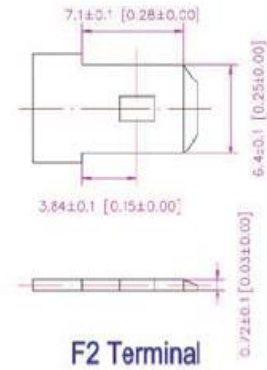


### Application:

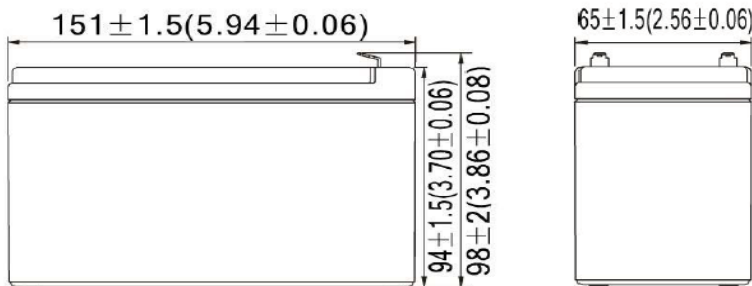
- |                           |                    |
|---------------------------|--------------------|
| *Alarm Systems            | *Medical Equipment |
| *Cable Televisions        | *UPS               |
| *Communication Equipments | *Power Tools       |
| *Emergency power systems  | *Control Equipment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

### Construction:

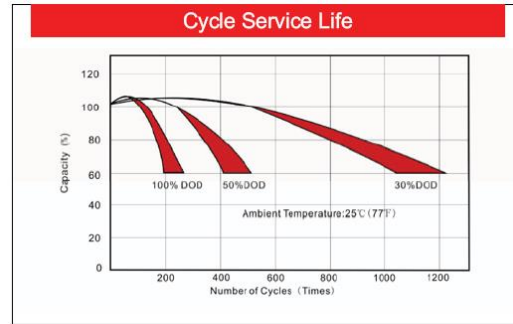
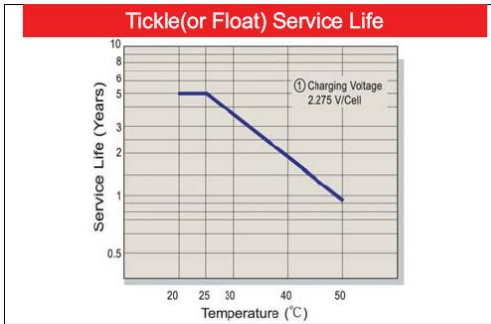
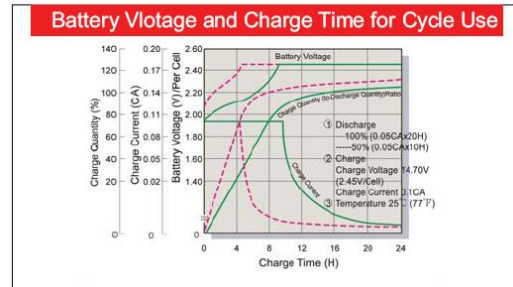
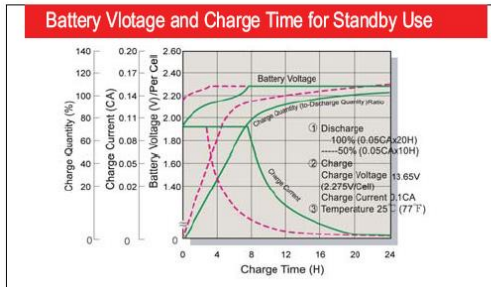
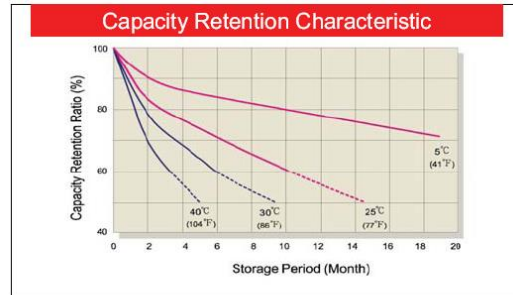
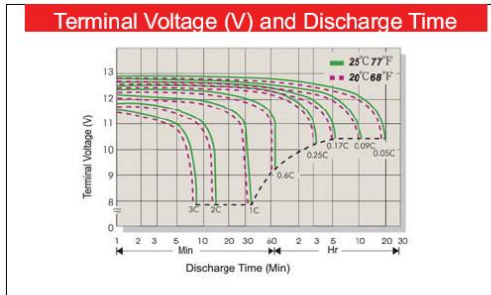
- |                 |              |                   |               |
|-----------------|--------------|-------------------|---------------|
| Component ..... | Raw material | Sealant .....     | Epoxy         |
| Positive .....  | Lead dioxide | Safety Valve .... | Rubber        |
| Negative .....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



F2 Terminal



Battery Model	YD 12-9			
Designed Floating Life	3-5 Years			
Capacity (25°C)	20 HR (0.4350 A, 10.5	10 HR (0.841 A, 10.5 V)	5 HR (1.653 A, 10.5 V)	1 HR (5.646 A, 10.5
	8.7 AH	8.41 AH	8.27 AH	5.646 AH
Dimensions	Length	Width	Height	Total Height
	151 mm	65 mm	94 mm	98 mm
Approx Weight	2.65 kg ± %3			
Internal Resistance	Full charged @25°C, equal or less than 23 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: 2.7 A		13.5 - 13.8 V (-20 m V/°C)	



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	28.30	19.64	16.14	9.67	5.542	2.974	2.455	1.876	1.622	1.296	0.826	0.427
1.75V/Cell	28.83	20.01	16.44	9.85	5.646	3.030	2.501	1.911	1.653	1.320	0.841	0.435
1.70V/Cell	29.69	20.61	16.93	10.15	5.816	3.121	2.576	1.968	1.702	1.360	0.867	0.448
1.67V/Cell	30.84	21.41	17.59	10.54	6.042	3.242	2.676	2.044	1.768	1.412	0.900	0.465
1.60V/Cell	32.57	22.61	18.57	11.13	6.380	3.424	2.826	2.159	1.868	1.492	0.951	0.492
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	55.18	38.30	31.46	18.86	10.81	5.80	4.79	3.66	3.16	2.53	1.61	0.83
1.75V/Cell	56.21	39.02	32.05	19.21	11.01	5.91	4.88	3.73	3.22	2.57	1.64	0.85
1.70V/Cell	57.90	40.19	33.02	19.79	11.34	6.09	5.02	3.84	3.32	2.65	1.69	0.87
1.67V/Cell	60.15	41.75	34.30	20.56	11.78	6.32	5.22	3.99	3.45	2.75	1.76	0.91
1.60V/Cell	63.52	44.09	36.22	21.71	12.44	6.68	5.51	4.21	3.64	2.91	1.85	0.96