

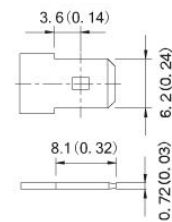
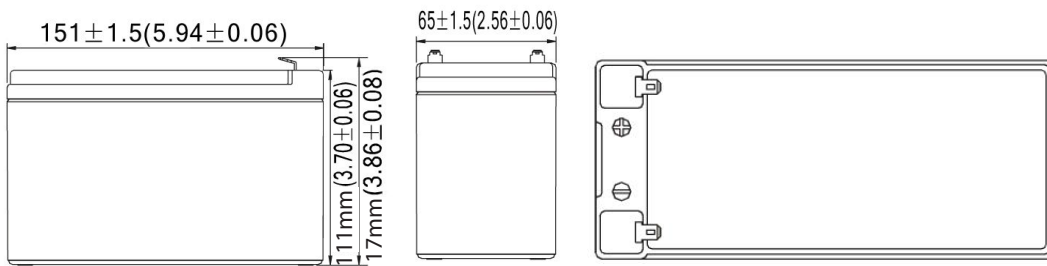
Designed Floating life	3-5 Years
Capacity (25°C)	20HR(0.45A, 10.5V) = 9.00AH 10 HR(0.866A, 10.5V) = 8.66AH 5 HR(1.62A, 10.5V) = 8.10AH 1 HR (5.39A, 10.5V) = 5.39AH
Approx. Weight	3.00Kg
Internal Resistance	Fully charged at 25 °C : $\leq 23m\Omega$
Self Discharge	3% of capacity declined per month at (25 °C)
Capacity Affected by Temp. (20HR)	40 °C = 102% 25 °C = 100% 0 °C = 85% -15 °C = 65%
Charge Voltage (25 °C)	Cycle Use = 14.4-14.7V (-30mV/°C). max. Current: 2.70A Float Use = 13.5-13.80V (-20mV/°C)
Dimensions	Length: 151mm (5.94inch) Width: 65mm (2.56inch) Height: 111mm (4.37inch) Total Height: 117mm (4.61inch)

- 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



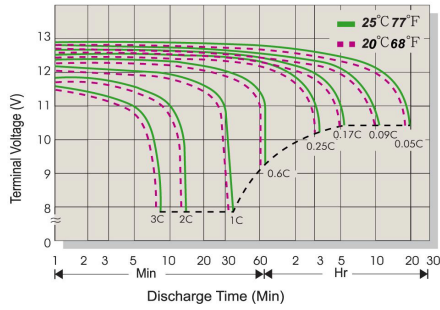
Applications

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

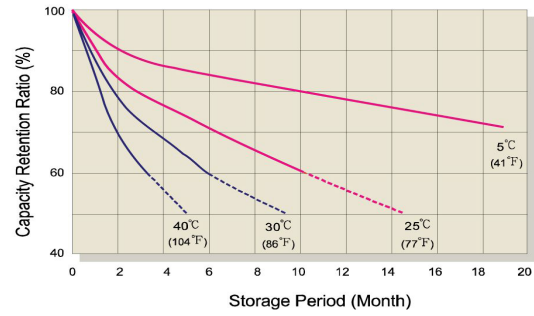


F2 Terminal

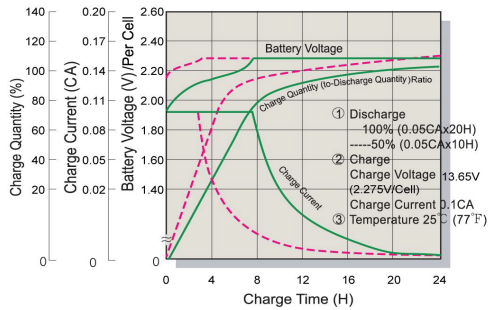
Terminal Voltage (V) & Discharge Time



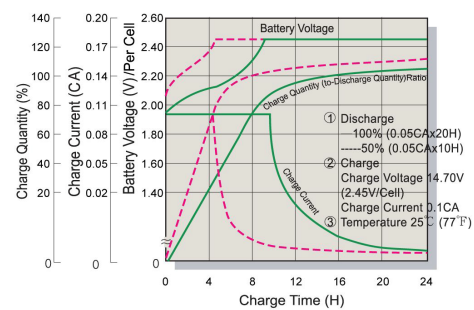
Capacity Retention Characteristic:



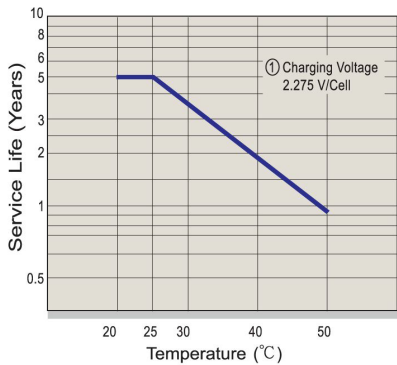
Battery Voltage & Charge Time for Standby Use:



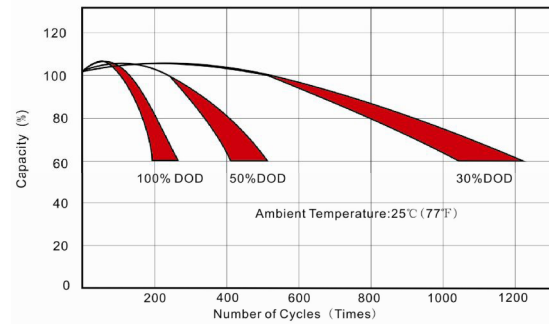
Battery Voltage & Charge Time for Cycle Use:



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	25.69	18.51	14.16	8.95	5.19	2.98	2.28	1.817	1.560	1.272	0.834	0.433
1.80V/Cell	26.18	18.86	14.43	9.12	5.29	3.03	2.32	1.852	1.590	1.296	0.850	0.442
1.75V/Cell	26.67	19.22	14.70	9.29	5.39	3.09	2.36	1.887	1.620	1.320	0.866	0.450
1.70V/Cell	29.07	20.37	15.59	9.66	5.49	3.14	2.40	1.920	1.648	1.344	0.881	0.458
1.67V/Cell	32.01	22.10	16.91	10.20	5.54	3.18	2.43	1.940	1.666	1.358	0.891	0.463
1.60V/Cell	34.67	23.25	17.79	10.64	5.60	3.21	2.46	1.961	1.684	1.373	0.900	0.468

Constant Current 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	50.09	36.09	27.62	17.45	10.13	5.80	4.44	3.54	3.04	2.48	1.63	0.85
1.80V/Cell	51.05	36.78	28.14	17.78	10.32	5.91	4.52	3.61	3.10	2.53	1.66	0.86
1.75V/Cell	52.01	37.47	28.67	18.12	10.51	6.02	4.61	3.68	3.16	2.57	1.69	0.88
1.70V/Cell	56.69	39.72	30.39	18.84	10.70	6.13	4.69	3.74	3.21	2.62	1.72	0.89
1.67V/Cell	62.41	43.09	32.97	19.89	10.81	6.20	4.74	3.78	3.25	2.65	1.74	0.90
1.60V/Cell	67.61	45.34	34.00	20.74	10.93	6.26	4.79	3.82	3.28	2.68	1.76	0.91