

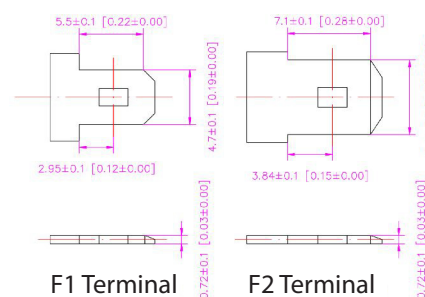
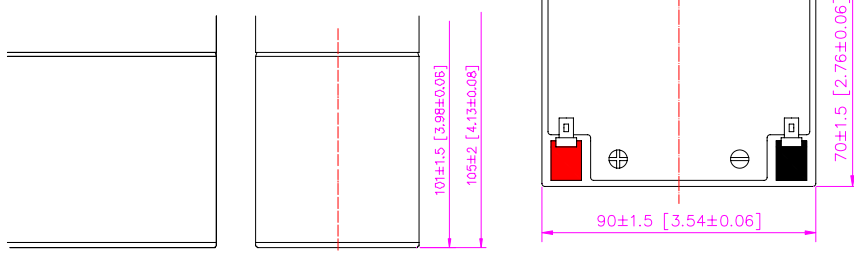
Designed Floating life	3-5 Years
Capacity (25°C)	20HR(0.25A, 10.5 V) = 5.00AH 10 HR(0.47A, 10.5 V) = 4.70AH 5 HR(0.85A, 10.5V) = 4.25AH 1 HR (2.90A, 10.5V) = 2.90AH
Approx. Weight	1.60 Kg
Internal Resistance	Fully charged at 25 °C : $\leq 40\text{m}\Omega$
Self Discharge	2% of capacity declined per month 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 = 14.40 - 14.70V (-30mV/°C) max. Current 1.50A Float Use = 13.5 - 13.8V (-20mV/°C)
Dimensions	Length: 90mm (3.54 in.) Width: 70 mm (2.76 in.) Height: 101 mm (3.98 in.) Total Height: 105mm (4.13 in.)

- 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

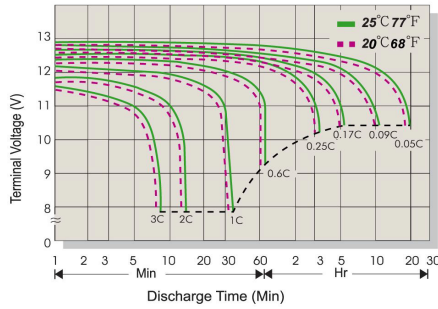


Applications

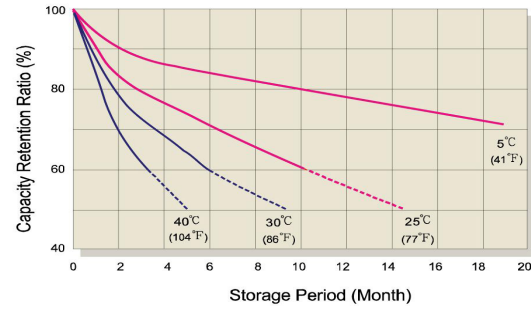
- Alarm Systems
- Cable Television
- Security System
- Communication Equipment
- Emergency Power System
- Medical Equipment
- UPS
- Power Tools
- Control Equipment
- Toys



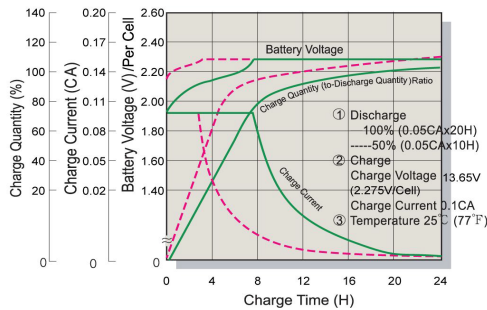
Terminal Voltage (V) & Discharge Time



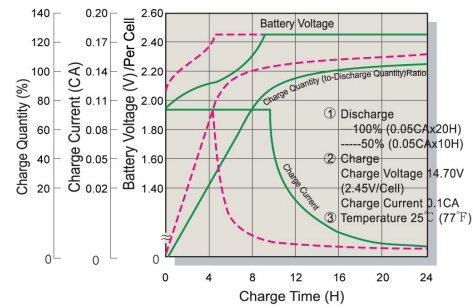
Capacity Retention Characteristic:



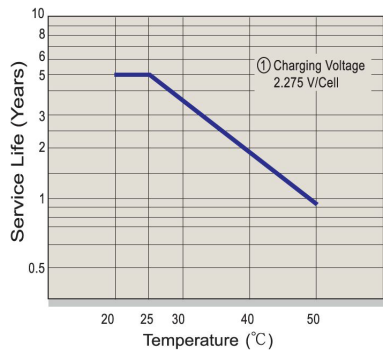
Battery Voltage & Charge Time for Standby Use:



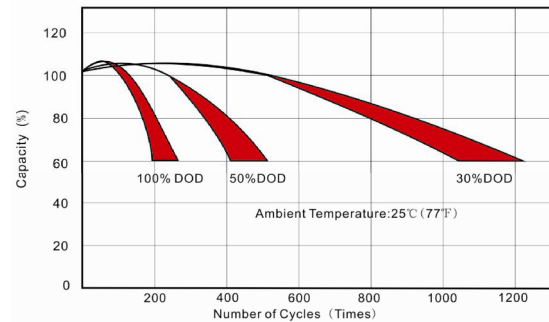
Battery Voltage & Charge Time for Cycle Use:



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	8Hr	10Hr	20Hr
1.85V/Cell	13.89	11.84	7.52	4.53	2.72	1.59	1.21	0.96	0.80	0.54	0.44	0.24
1.80V/Cell	14.63	12.47	7.92	4.77	2.87	1.67	1.27	1.01	0.84	0.57	0.46	0.25
1.75V/Cell	14.78	12.60	8.00	4.82	2.90	1.69	1.29	1.02	0.85	0.58	0.47	0.25
1.70V/Cell	14.97	12.77	8.11	4.88	2.93	1.71	1.30	1.04	0.86	0.59	0.47	0.25
1.67V/Cell	15.07	12.95	8.16	4.91	2.95	1.73	1.31	1.04	0.87	0.59	0.48	0.25
1.60V/Cell	15.41	13.40	8.35	5.03	3.02	1.76	1.34	1.07	0.89	0.60	0.49	0.26

Constant Current Discharge (CP, Unit:W) at 25 °C (77 °F)

F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
1.85V/Cell	26.39	19.87	14.29	8.61	5.17	3.02	2.30	1.83	1.52	1.03	0.83	0.45
1.80V/Cell	27.79	20.93	15.05	9.06	5.45	3.18	2.42	1.92	1.60	1.09	0.88	0.47
1.75V/Cell	28.07	21.14	15.20	9.16	5.50	3.21	2.45	1.94	1.61	1.10	0.89	0.48
1.70V/Cell	28.44	21.42	15.41	9.28	5.57	3.26	2.48	1.97	1.64	1.11	0.90	0.48
1.67V/Cell	28.63	21.56	15.51	9.34	5.61	3.28	2.49	1.98	1.65	1.12	0.90	0.48
1.60V/Cell	29.28	22.04	15.86	9.55	5.74	3.35	2.55	2.03	1.68	1.14	0.92	0.50