

<b>Capacity (25°C)</b>	20HR (0.177A, 10.5V) = 3.54AH 10HR (0.334A, 10.5V) = 3.34AH 5HR (0.60A, 10.5V) = 3.0AH 1HR (2.06A, 10.5V) = 2.06AH
<b>Operating Temperature Range</b>	Charge = 0°C to 45°C Discharge = -15°C to 50°C Storage = -15°C to 40°C
<b>Approx. Weight</b>	1.30Kg
<b>Internal Resistance</b>	Fully charged at 25°C : ≤ 30mΩ
<b>Self Discharge</b>	3% per month at (25°C)
<b>Capacity Affected by Temp. (20HR)</b>	40°C = 102% 25°C = 100% 0°C = 85% -15°C = 65%
<b>Charge Voltage (25°C)</b>	Cycle Use = 14.4 - 14.7V (-30mV/°C) Max Current = 1.0A Float Use = 13.5 - 13.8V (-20mV/°C)
<b>Dimensions (Nominal)</b>	Length: 134mm (5.28 in.) Width: 67mm (2.64 in.) Height: 61mm (2.40 in.) Total Height: 66mm (2.60 in.)

- Completely sealed, maintenance-free, low self-discharge
- State of the art AGM and grid alloy formula technology
- Non-spillable, stable quality and high reliability with excellent re-charging performance
- Floating and standby use up to: 5 years
- Cycle use: Up to 260 cycles at 100% DoD
- Cycle use : Up to 500 Cycles at 50% DoD
- Container and Cover Material – ABS UL94-HB (optional UL94-V0)
- Transportation - D.O.T., I.A.T.A. & F.A.A.

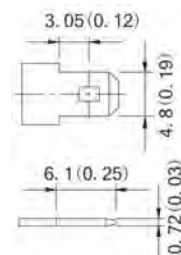
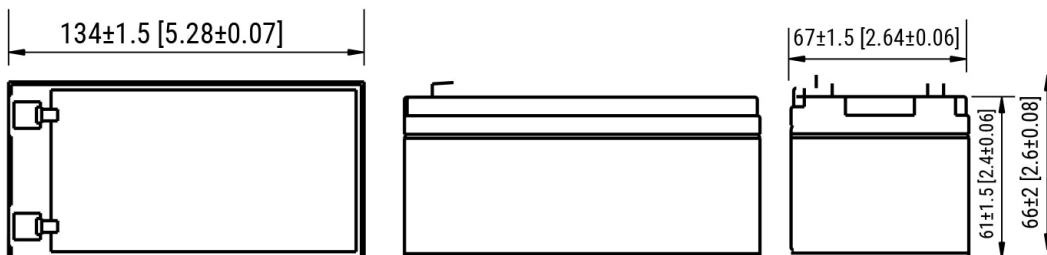


## ■ APPLICATIONS

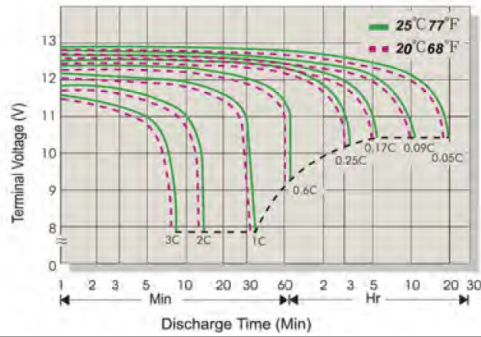
Multipurpose	Alarm & Security System	DC Power Supply
Telecommunications	Comm. Power Supply	Auto Control System
UPS	Elec. Power System (EPS)	Traffic Control Signaling
Medical Equipment	Emergency Backup Power	Emergency Lighting

## Terminal Type

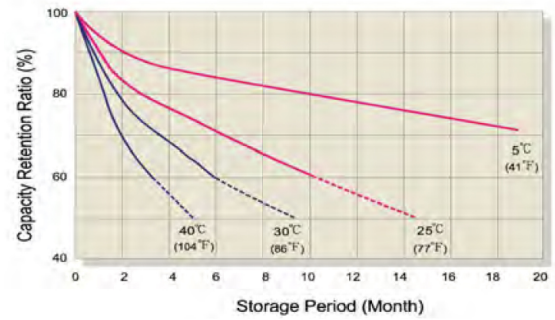
### ■ Terminal F1



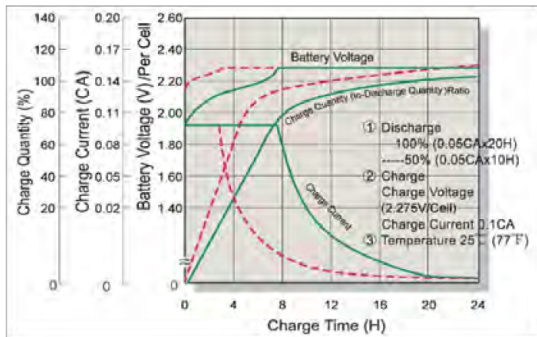
**Terminal Voltage (V) & Discharge Time**



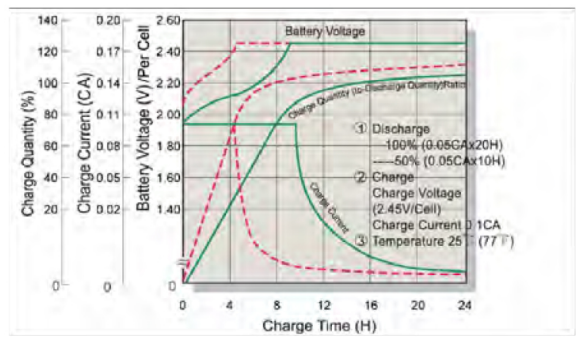
**Capacity Retention Characteristic**



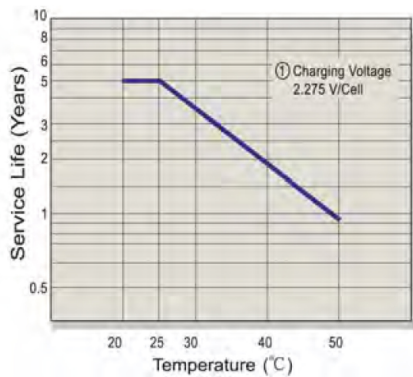
**Battery Voltage & Charge Time For Standby Use**



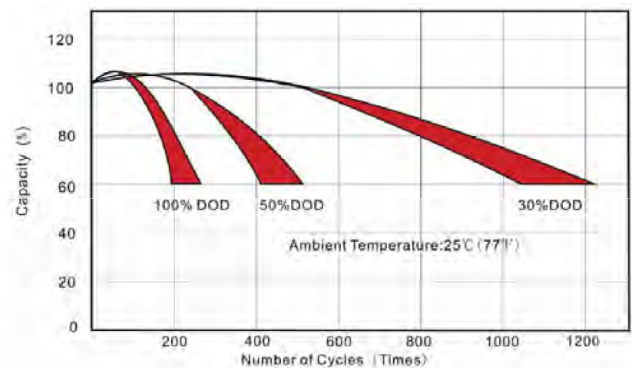
**Battery Voltage & Charge Time for Cycle Use**



**Float Service Life**



**Cycle Service Life**



**Constant Current Discharge (A) at 25°C (77°F)**

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V	6.67	5.12	4.24	2.83	1.76	1.04	0.81	0.66	0.54	0.378	0.316	0.173
1.80V	8.90	6.54	5.12	3.34	1.97	1.14	0.88	0.71	0.58	0.401	0.326	0.175
1.75V	10.1	7.19	5.6	3.47	2.06	1.18	0.89	0.72	0.60	0.408	0.334	0.177
1.70V	11.1	7.83	5.97	3.61	2.13	1.21	0.92	0.74	0.61	0.413	0.341	0.180
1.65V	12.2	8.45	6.35	3.81	2.18	1.23	0.96	0.77	0.63	0.42	0.348	0.182
1.60V	13.5	9.20	6.79	4.03	2.20	1.28	0.99	0.79	0.65	0.424	0.352	0.183

**Constant Power Discharge (W) at 25°C (77°F)**

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/Cell	12.2	9.50	7.91	5.40	3.40	2.02	1.59	1.29	1.06	0.746	0.625	0.343
1.80V/Cell	16.2	11.9	9.40	6.28	3.78	2.19	1.70	1.37	1.13	0.789	0.643	0.346
1.75V/Cell	17.9	12.9	10.2	6.46	3.94	2.26	1.72	1.40	1.16	0.801	0.660	0.349
1.70V/Cell	19.1	13.8	10.7	6.69	4.05	2.32	1.77	1.44	1.18	0.811	0.672	0.355
1.65V/Cell	20.8	14.7	11.3	7.00	4.11	2.34	1.84	1.48	1.21	0.822	0.685	0.360
1.60V/Cell	22.4	15.6	11.9	7.34	4.13	2.42	1.88	1.52	1.25	0.828	0.691	0.361