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| Capacity (25°C) | 20HR (0.225A, 10.5V) = 4.50AH 10HR (0.433A, 10.5V) = 4.33AH 5HR (0.81A, 10.5V) = 4.05AH 1HR (2.70A, 10.5V) = 2.70AH |
| Operating Temperature Range | Charge = 0°C to 45°C Discharge = -15°C to 50°C Storage = -15°C to 40°C |
| Approx. Weight | 1.46Kg |
| Internal Resistance | Fully charged at 25°C : ≤ 39mΩ |
| Self Discharge | 3% 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 = 1.35A Float Use = 13.5-13.8V (-20mV/°C) |
| Dimensions (Nominal) | Length: 90mm (3.54 in.) Width: 70mm (2.76 in.) Height: 101mm (3.98 in.) Total Height: 105mm (4.13 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
Telecommunications
UPS
Medical Equipment

Alarm & Security System
Comm. Power Supply
Elec. Power System (EPS)
Emergency Backup Power

DC Power Supply
Auto Control System
Traffic Control Signaling
Emergency Lighting

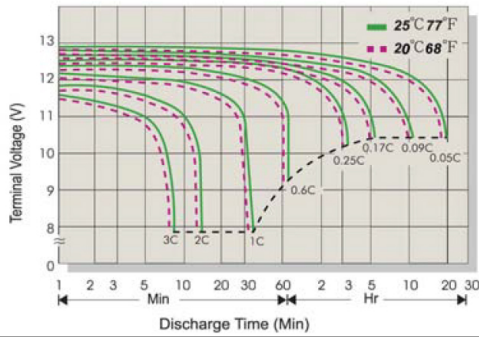
Terminal Type

Terminal F2

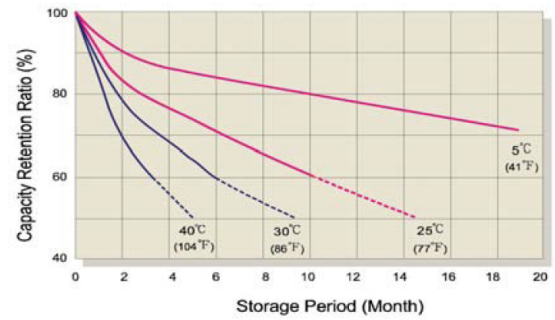


REV V2

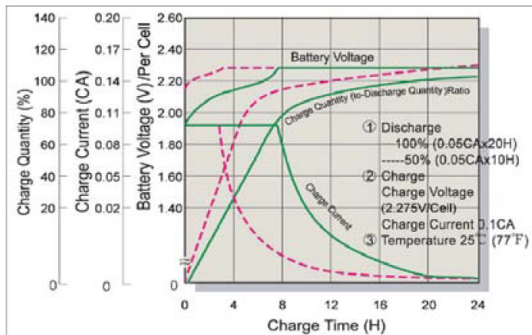
Terminal Voltage (V) & Discharge Time



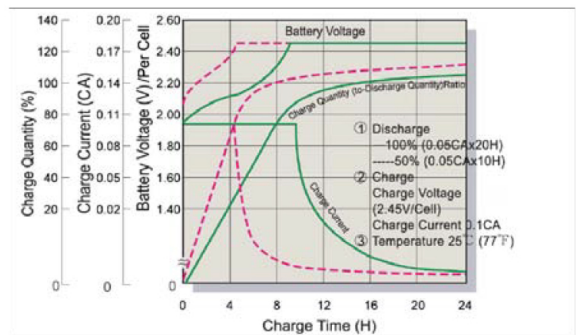
Capacity Retention Characteristic



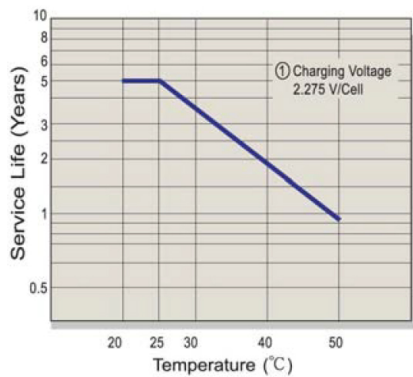
Battery Voltage & Charge Time For Standby Use



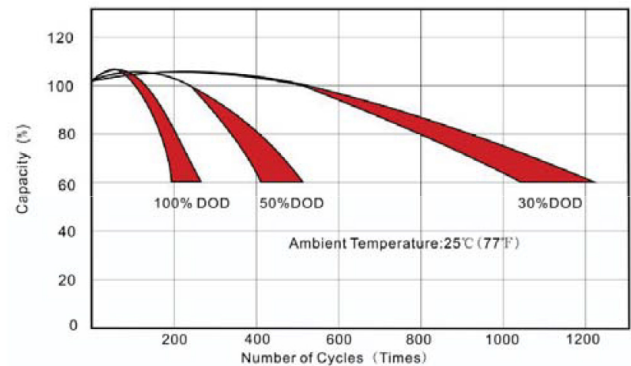
Battery Voltage & Charge Time for Cycle Use



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/Cell | 12.84 | 9.60 | 7.08 | 4.47 | 2.60 | 1.49 | 1.14 | 0.909 | 0.780 | 0.636 | 0.417 | 0.217 |
| 1.80V/Cell | 13.09 | 9.78 | 7.22 | 4.56 | 2.65 | 1.52 | 1.16 | 0.926 | 0.795 | 0.648 | 0.425 | 0.221 |
| 1.75V/Cell | 13.34 | 9.97 | 7.35 | 4.65 | 2.70 | 1.54 | 1.18 | 0.943 | 0.810 | 0.660 | 0.433 | 0.225 |
| 1.70V/Cell | 14.54 | 10.57 | 7.79 | 4.83 | 2.74 | 1.57 | 1.20 | 0.960 | 0.824 | 0.672 | 0.441 | 0.229 |
| 1.67V/Cell | 16.00 | 11.46 | 8.45 | 5.10 | 2.77 | 1.59 | 1.21 | 0.970 | 0.833 | 0.679 | 0.445 | 0.231 |
| 1.60V/Cell | 17.34 | 12.06 | 8.90 | 5.32 | 2.80 | 1.61 | 1.23 | 0.981 | 0.842 | 0.686 | 0.450 | 0.234 |

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 | 25.05 | 18.72 | 13.81 | 8.73 | 5.06 | 2.90 | 2.22 | 1.77 | 1.52 | 1.24 | 0.81 | 0.42 |
| 1.80V/Cell | 25.53 | 19.08 | 14.07 | 8.89 | 5.16 | 2.96 | 2.26 | 1.81 | 1.55 | 1.26 | 0.83 | 0.43 |
| 1.75V/Cell | 26.00 | 19.44 | 14.34 | 9.06 | 5.26 | 3.01 | 2.30 | 1.84 | 1.58 | 1.29 | 0.84 | 0.44 |
| 1.70V/Cell | 28.34 | 20.60 | 15.20 | 9.42 | 5.35 | 3.07 | 2.34 | 1.87 | 1.61 | 1.31 | 0.86 | 0.45 |
| 1.67V/Cell | 31.20 | 22.35 | 16.49 | 9.95 | 5.41 | 3.10 | 2.37 | 1.89 | 1.62 | 1.32 | 0.87 | 0.45 |
| 1.60V/Cell | 33.81 | 23.52 | 17.35 | 10.37 | 5.46 | 3.13 | 2.39 | 1.91 | 1.64 | 1.34 | 0.88 | 0.46 |