

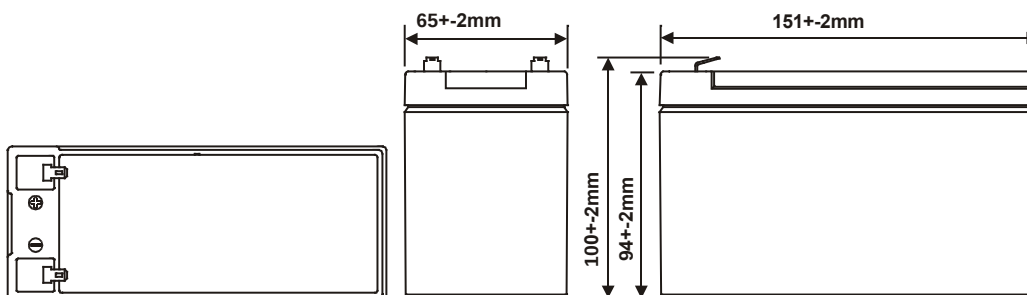
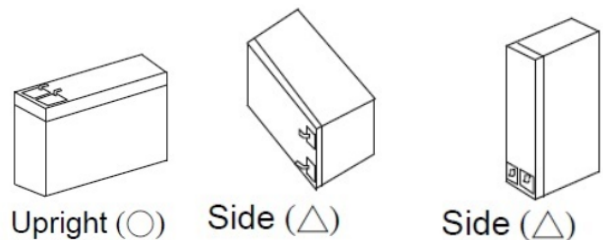
Capacity (@25°C)	20HR = 8AH 10HR = 7AH 1HR = 4.5AH to 9.0V
Operating Temperature Range	Charge = -15°C to +50°C Discharge = -40°C to +60°C Storage = -20°C to +60°C
Approx. Weight	2.0kg
Internal Resistance	Fully charged at 25°C : ≤ 32mΩ
Self Discharge	3% per month at (25°C)
Capacity Affected by Temp. (20HR)	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 = 2.1A Float Use = 13.6-13.8V (-20mV/°C)
Dimensions (Nominal)	Length: 151mm (5.94 in.) Width: 65mm (2.56 in.) Height: 94mm (3.70 in.) Total Height: 100mm (3.94 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
- Transportation - D.O.T., I.A.T.A. & F.A.A.



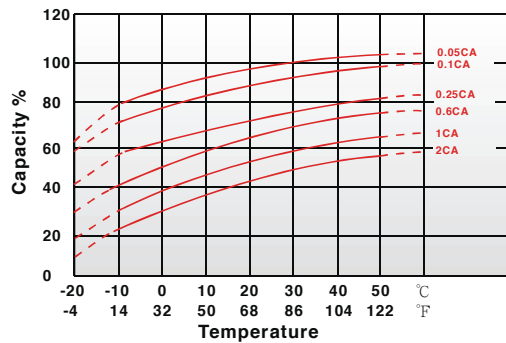
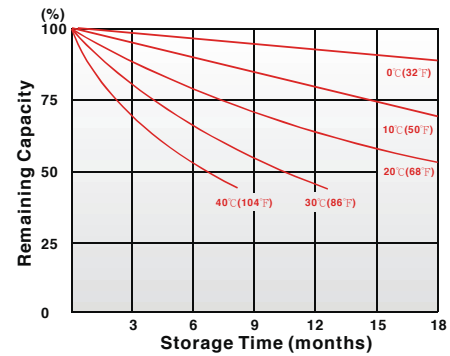
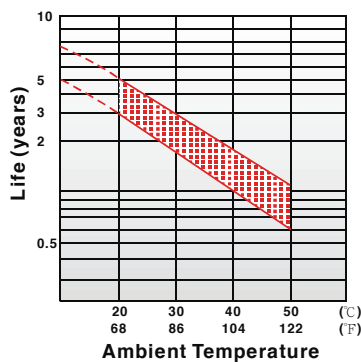
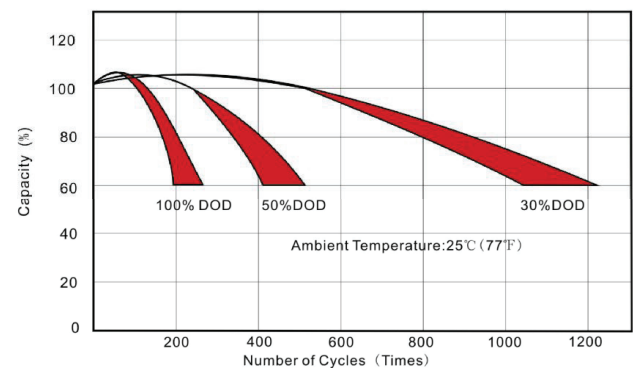
APPLICATIONS

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



Terminal Type

- F1 0.187" x 0.032" quick disconnect tabs
- F2 0.250" x 0.032" quick disconnect tabs

**■ Effect of Temperature on Capacity 25°C (77°F)****■ Capacity Retention Characteristic****■ Trickle (or Float) Service Life****■ Cycle Service Life****Regular Charge / Float Charge / Storage**

- Charging voltage temperature compensation needs to be applied when temperature is below 0°C and above +45°C.
- Charging in temperatures below 0°C, the charge current should not exceed 0.1C as the core battery temperature can increase rapidly and damage the battery.
- During floating charge or when in storage, the life of the battery is cut in half for every 8°C temperature rise over 25°C.

Discharge

- Discharging at elevated temperatures improves performance of the battery yet shortens its life due to accelerated aging.
- Low temperature affects the battery internal resistance and lowers its capacity.
- The battery will operate in temperature lower than -20°C when fully charged.
- The battery provides 100% specified capacity at 25°C. At -40°C the battery will deliver 35% of its stated capacity @10HR discharge rate and 10% of its stated capacity @1HR discharge rate.

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	13.5	10.8	8.6	5.6	3.3	2.1	1.6	1.3	1.1	0.8	0.6	0.3
1.80V/cell	17.0	13.3	10.3	6.5	3.7	2.3	1.8	1.4	1.2	0.8	0.7	0.3
1.75V/cell	19.4	14.7	11.2	6.8	3.9	2.4	1.8	1.5	1.2	0.8	0.7	0.4
1.70V/cell	21.6	16.0	12.0	7.1	4.0	2.5	1.9	1.5	1.3	0.8	0.7	0.4
1.67V/cell	24.0	17.4	12.8	7.4	4.1	2.5	1.9	1.6	1.3	0.8	0.7	0.4
1.60V/cell	25.8	18.4	13.4	7.7	4.3	2.6	2.0	1.6	1.3	0.9	0.7	0.4

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	24.7	20.2	16.1	10.6	6.4	4.1	3.2	2.6	2.2	1.5	1.2	0.7
1.80V/cell	30.5	24.2	19.2	12.2	7.1	4.4	3.4	2.8	2.3	1.6	1.3	0.7
1.75V/cell	34.0	26.3	20.5	12.7	7.4	4.6	3.5	2.9	2.4	1.6	1.3	0.7
1.70V/cell	37.1	28.2	21.7	13.1	7.6	4.7	3.6	2.9	2.4	1.6	1.3	0.7
1.67V/cell	40.2	30.1	22.8	13.6	7.8	4.8	3.7	3.0	2.5	1.6	1.3	0.7
1.60V/cell	42.7	31.3	23.5	14.0	8.0	5.0	3.8	3.1	2.5	1.7	1.4	0.7