

Capacity (25°C)	20HR (0.50A, 5.25V) = 10.0AH 10HR (0.95A, 5.25V) = 9.50AH 5HR (1.75A, 5.25V) = 8.75AH 1HR (5.50A, 5.25V) = 5.50AH
Operating Temperature Range	Charge = -15°C to +50°C Discharge = -40°C to +60°C Storage = -20°C to +60°C
Approx. Weight	1.50kg
Internal Resistance	Fully charged at 25°C : ≤ 16mΩ
Self Discharge	2% 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 = 7.20-7.35V (-15mV/°C) Max Current = 3.0A Float Use = 6.75-6.90V (-10mV/°C)
Dimensions (Nominal)	Length: 150mm (5.91 in.) Width: 50mm (1.97 in.) Height: 93mm (3.66 in.) Total Height: 99mm (3.90 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: 8 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.

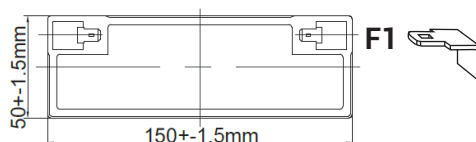
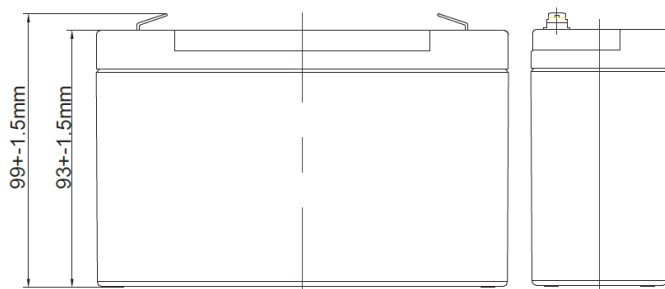


■ APPLICATIONS

Multipurpose
Telecommunications
UPS
Medical Equipment

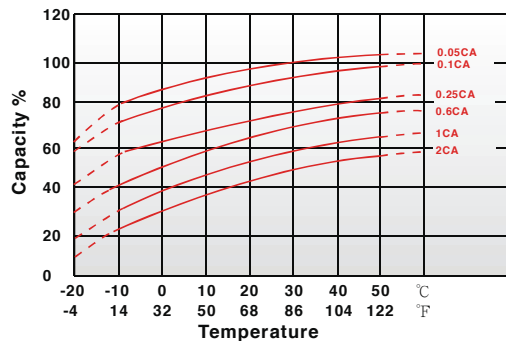
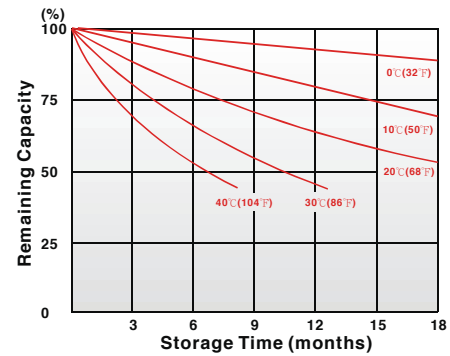
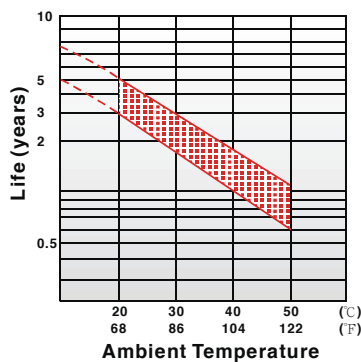
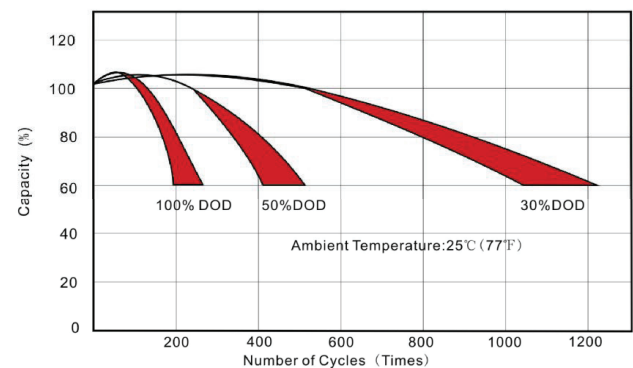
Alarm & Security System
Comm. Power Supply
Elec. Power System (EPS)
Emergency Backup Power

DC Power Supply
Auto Control System
Traffic Control Signaling
Emergency Lighting



Terminal Type

0.187" 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	19.28	15.48	12.25	7.96	4.74	2.99	2.31	1.90	1.59	1.08	0.88	0.47
1.80V/cell	24.29	18.94	14.77	9.24	5.29	3.27	2.50	2.04	1.70	1.15	0.94	0.50
1.75V/cell	27.67	20.93	15.99	9.67	5.50	3.39	2.58	2.10	1.75	1.17	0.95	0.50
1.70V/cell	30.88	22.86	17.18	10.11	5.71	3.51	2.66	2.16	1.79	1.18	0.96	0.51
1.67V/cell	34.22	24.83	18.35	10.58	5.90	3.63	2.73	2.22	1.84	1.20	0.97	0.51
1.60V/cell	36.80	26.28	19.19	11.02	6.11	3.75	2.82	2.28	1.89	1.21	0.99	0.52

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	35.25	28.79	23.02	15.20	9.19	5.82	4.51	3.71	3.11	2.12	1.74	0.93
1.80V/cell	43.49	34.62	27.35	17.48	10.18	6.32	4.86	3.97	3.32	2.26	1.85	0.98
1.75V/cell	48.50	37.59	29.21	18.10	10.52	6.52	4.99	4.08	3.40	2.29	1.87	0.99
1.70V/cell	52.96	40.33	30.94	18.75	10.86	6.73	5.12	4.17	3.48	2.32	1.89	1.00
1.67V/cell	57.39	43.02	32.55	19.42	11.15	6.92	5.24	4.27	3.56	2.35	1.92	1.01
1.60V/cell	61.01	44.67	33.55	20.02	11.48	7.11	5.39	4.37	3.64	2.37	1.94	1.03