

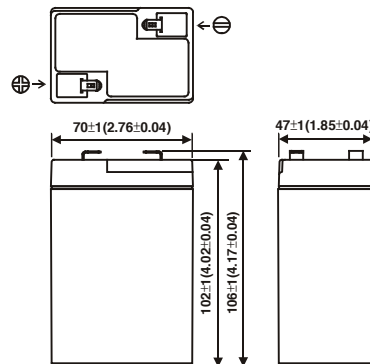
Capacity (25°C)	20HR (0.241A, 5.25V) = 4.82AH 10HR (0.464A, 5.25V) = 4.64AH 5HR (0.825A, 5.25V) = 4.13AH 1HR (2.73A, 5.25V) = 2.73AH
Operating Temperature Range	Charge = -15°C to +50°C Discharge = -20°C to +60°C Storage = -20°C to +60°C
Approx. Weight	0.82kg
Internal Resistance	Fully charged at 25°C : ≤ 19mΩ
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 = 7.20-7.50V (-5mV/°C) Max Current = 1.35A Float Use = 6.75-6.90V (-3mV/°C)
Dimensions (Nominal)	Length: 70mm (2.76 in.) Width: 47mm (1.85 in.) Height: 102mm (4.02 in.) Total Height: 106mm (4.17 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 (optional UL94-V0)
- Transportation - D.O.T., I.A.T.A. & F.A.A.




■ APPLICATIONS

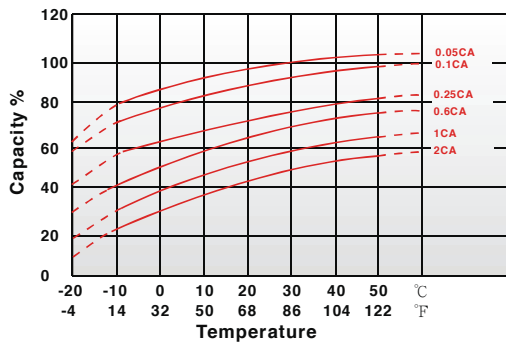
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|--------------------|--------------------------|---------------------------|
| Multipurpose | Alarm & Security System | DC Power Supply |
| Telecommunications | Comm. Power Supply | Auto Control System |
| UPS | Elec. Power System (EPS) | Traffic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



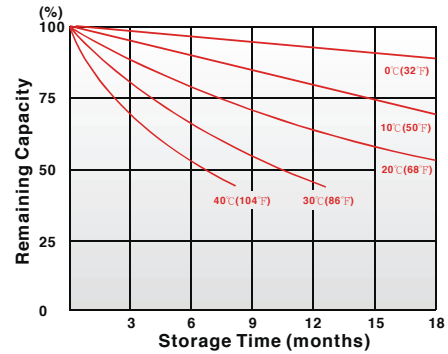
Terminal Type

- F1  0.187" x 0.032"
quick disconnect tabs

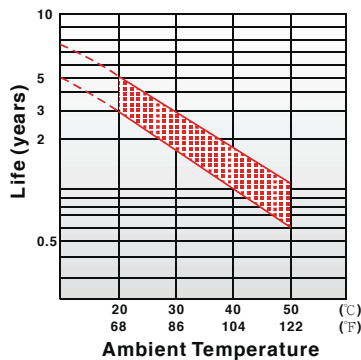
Effect of Temperature on Capacity 25°C (77°F)



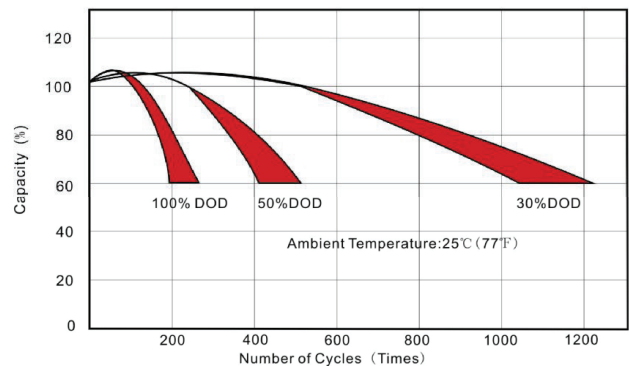
Capacity Retention Characteristic



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 provides 100% specified capacity at 25°C. It will deliver 50% of its stated capacity at -20°C with 0.1C discharge current and 20% with 2C discharge current.

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

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h
1.85V/cell	15.30	10.50	7.56	4.39	2.36	1.32	1.09	0.835	0.776	0.435	0.219
1.80V/cell	17.60	11.70	8.22	4.94	2.61	1.44	1.15	0.891	0.812	0.452	0.233
1.75V/cell	18.90	11.90	8.71	5.11	2.73	1.50	1.18	0.916	0.825	0.464	0.241
1.70V/cell	19.50	12.10	8.92	5.25	2.84	1.54	1.20	0.942	0.837	0.473	0.247
1.67V/cell	19.70	12.20	8.99	5.30	2.87	1.55	1.21	0.948	0.841	0.477	0.250
1.60V/cell	20.20	12.40	9.15	5.41	2.94	1.59	1.23	0.963	0.852	0.486	0.257

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

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h
1.85V/cell	23.80	17.00	14.10	8.18	4.20	2.48	1.97	1.60	1.46	0.86	0.43
1.80V/cell	26.80	19.20	15.60	9.15	4.77	2.77	2.17	1.73	1.56	0.91	0.47
1.75V/cell	29.00	20.50	16.20	9.52	5.13	2.90	2.27	1.80	1.60	0.94	0.50
1.70V/cell	31.00	21.50	16.50	9.70	5.43	3.00	2.35	1.85	1.64	0.96	0.51
1.67V/cell	31.80	22.00	16.70	9.80	5.53	3.05	2.38	1.88	1.65	0.97	0.51
1.60V/cell	34.00	23.00	17.00	10.00	5.73	3.18	2.48	1.95	1.72	0.99	0.53