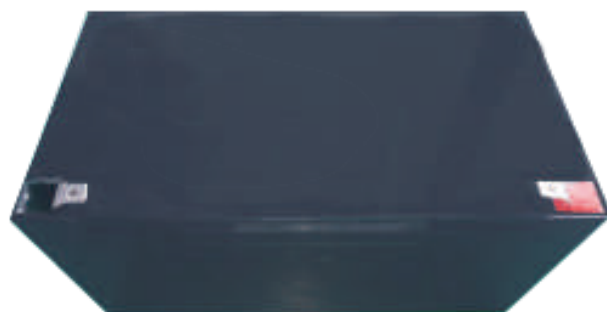


Capacity (25°C)	20HR (0.40A, 21.0V) = 8.00AH 10HR (0.866A, 21.0V) = 7.57AH 5HR (1.40A, 21.0V) = 7.00AH 1HR (4.40A, 21.0V) = 4.40AH
Operating Temperature Range	Charge = -40°C to +50°C Discharge = -40°C to +60°C Storage = -40°C to +60°C
Approx. Weight	4.2kg
Internal	Fully charged at 25°C : $\leq 39\text{m}\Omega$
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%
Charging	Cycle Use = 28.8-29.4V (-48mV/°C) Max Current = 2.4A Float Use = 27.0-27.6V (-36mV/°C)
Dimensions (Nominal)	Length: 188mm (7.40 in.) Width: 102mm (4.02 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
- Conforms to IEC 62817 - Damp Humidity Storage 2000 hours @65°C/ 85% R/H, then charge @24V/2A for 4 hours and discharge with less than 50% of capacity degradation
- Floating and standby use up to: 8 years
- Container and Cover Material – ABS UL94-HB
- Transportation - D.O.T., I.A.T.A. & F.A.A.

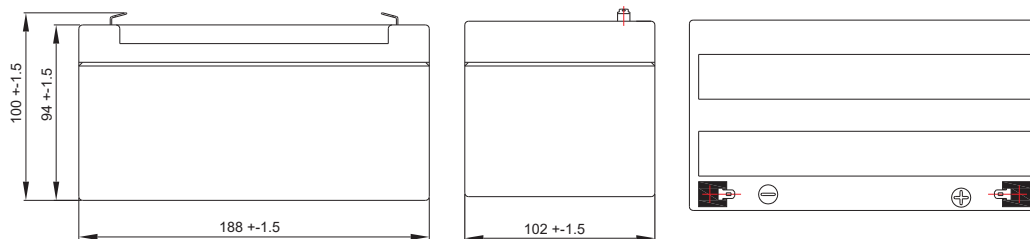


■ APPLICATIONS

Multipurpose
Telecommunications
UPS
Medical Equipment

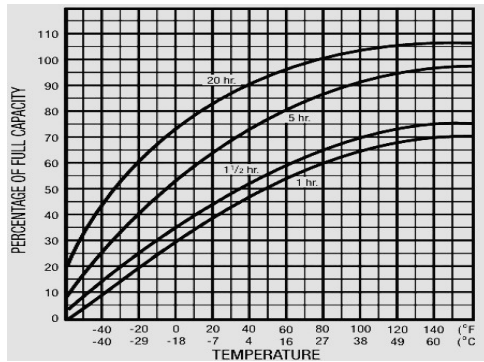
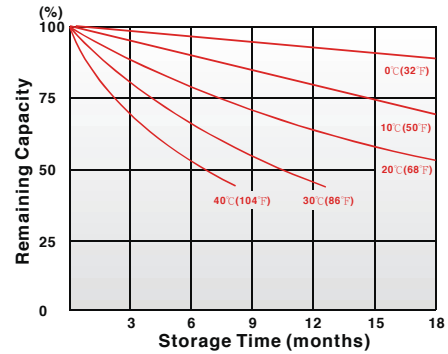
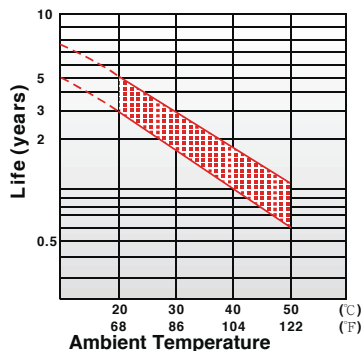
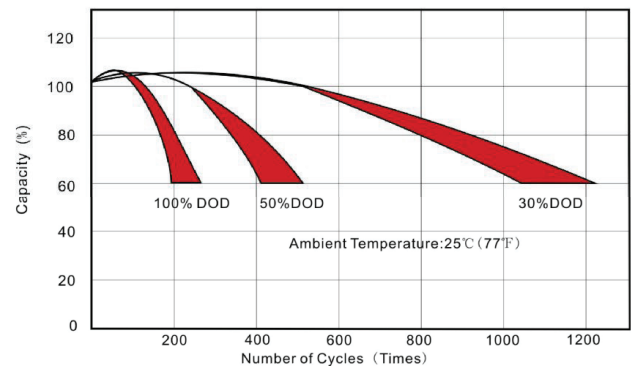
Alarm & Security System
Comm. Power Supply
Elec. Power System (EPS)
Emergency Backup Power

Solar Controllers
Wind Pitch controller
Traffic Control Signaling
Emergency Lighting



Terminal Type

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 +40°C.
- Charging in temperatures -40°C ~ 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	10h	20h
1.85V/cell	15.90	12.64	9.90	6.43	3.80	2.40	1.85	1.52	1.27	0.70	0.38
1.80V/cell	20.03	15.46	11.93	7.47	4.23	2.61	2.00	1.63	1.36	0.75	0.40
1.75V/cell	22.82	17.08	12.92	7.81	4.40	2.71	2.06	1.68	1.40	0.76	0.40
1.70V/cell	25.47	18.66	13.89	8.17	4.57	2.81	2.13	1.72	1.43	0.77	0.41
1.67V/cell	28.23	20.27	14.83	8.55	4.72	2.91	2.19	1.77	1.47	0.78	0.41
1.60V/cell	30.35	21.45	15.51	8.91	4.89	3.00	2.26	1.82	1.51	0.79	0.42

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	29.07	23.51	18.60	12.29	7.35	4.66	3.61	2.97	2.49	1.39	0.75
1.80V/cell	35.87	28.26	22.10	14.12	8.14	5.06	3.88	3.18	2.66	1.48	0.78
1.75V/cell	40.00	30.68	23.61	14.63	8.42	5.22	3.99	3.26	2.72	1.50	0.79
1.70V/cell	43.68	32.93	25.00	15.15	8.69	5.38	4.10	3.33	2.78	1.51	0.80
1.67V/cell	47.33	35.12	26.30	15.69	8.92	5.53	4.19	3.42	2.84	1.53	0.81
1.60V/cell	50.32	36.46	27.11	16.18	9.19	5.69	4.31	3.50	2.91	1.55	0.82