

Capacity (25°C)	20HR (1.80A, 5.25V) = 36.0AH 10HR (3.40A, 5.25V) = 34.0AH 5HR (6.4A, 5.25V) = 32.0AH 1HR (21.2A, 5.25V) = 21.2AH
Operating Temperature Range	Charge = -15°C to +50°C Discharge = -40°C to +60°C Storage = -20°C to +60°C
Approx. Weight	5.1kg
Internal Resistance	Fully charged at 25°C : ≤ 9mΩ
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 = 7.2-7.35V (-15mV/°C) Max Current = 10.8A Float Use = 6.75-6.90V (-9mV/°C)
Dimensions (Nominal)	Length: 161mm (6.34 in.) Width: 87mm (3.43 in.) Height: 163mm (6.42in.) Total Height: 169mm (6.65 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 350 cycles at 100% DoD
- Cycle use: Up to 650 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

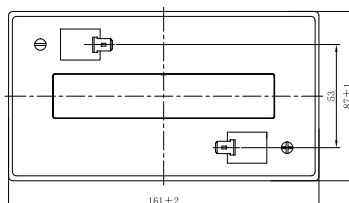
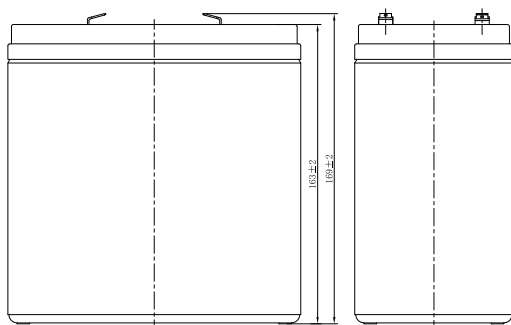
Alarm & Security System
Comm. Power Supply
Elec. Power System (EPS)
Emergency Backup Power

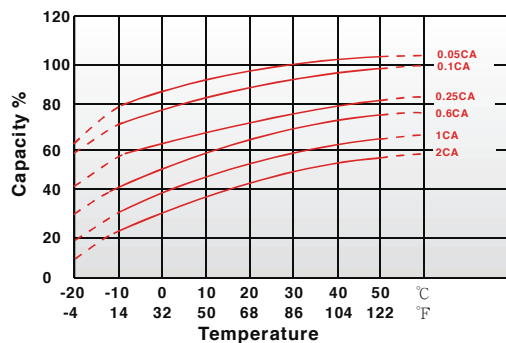
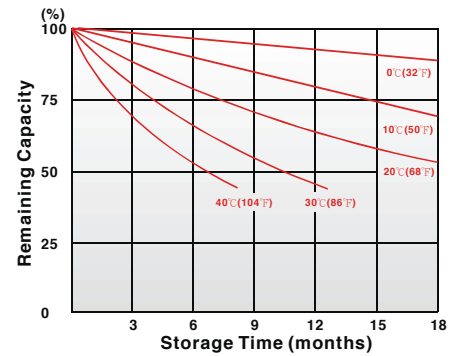
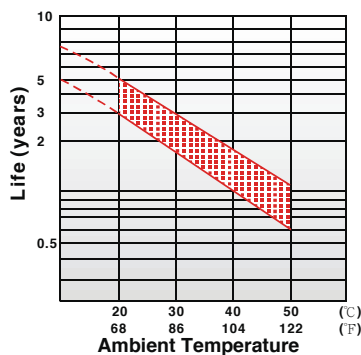
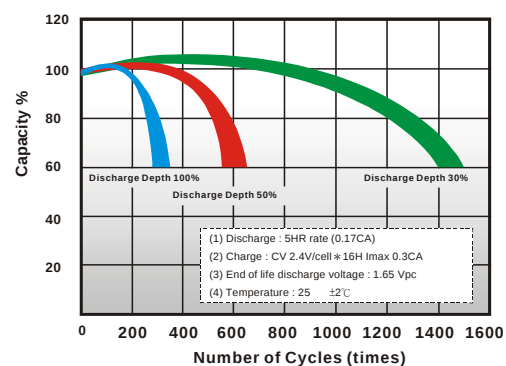
DC Power Supply
Auto Control System
Traffic Control Signaling
Emergency Lighting

Terminal Type

Terminal F2

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	90.4	63.6	52.3	31.1	20.3	12.3	8.99	7.26	6.18	4.17	3.33	1.76
1.80V/cell	97.2	67.4	54.9	32.1	20.8	12.5	9.13	7.37	6.27	4.23	3.37	1.78
1.75V/cell	102.5	70.1	56.8	32.9	21.2	12.7	9.28	7.47	6.35	4.28	3.40	1.80
1.70V/cell	107.3	72.9	58.7	33.7	21.6	12.9	9.42	7.57	6.44	4.32	3.44	1.81
1.67V/cell	111.0	75.0	60.1	34.3	21.9	13.1	9.51	7.64	6.49	4.36	3.46	1.83
1.60V/cell	117.8	78.2	62.2	35.2	22.4	13.3	9.68	7.78	6.60	4.42	3.51	1.85

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	171.1	121.1	100.2	60.1	39.4	24.0	17.7	14.3	12.2	8.27	6.61	3.52
1.80V/cell	182.2	127.4	104.6	61.7	40.3	24.4	17.9	14.5	12.4	8.38	6.70	3.56
1.75V/cell	189.9	131.6	107.4	63.0	40.9	24.8	18.2	14.7	12.5	8.46	6.75	3.60
1.70V/cell	196.9	135.9	110.3	64.3	41.6	25.1	18.4	14.8	12.7	8.54	6.82	3.63
1.67V/cell	202.0	139.0	112.6	65.3	42.1	25.3	18.5	15.0	12.8	8.61	6.87	3.66
1.60V/cell	210.2	143.1	115.7	66.7	42.8	25.8	18.8	15.2	12.9	8.72	6.95	3.70