

Ultra High Rate SLA Battery

Capacity (25°C)	20HR (2.81A,10.5V) = 56.2AH 10HR (5.36A,10.5V) = 53.6AH 5HR (9.47A,10.5V) = 47.35AH 1HR (37.10A,10.5V) = 37.10AH
Operating Temperature Range	Charge = -15°C to +50°C Discharge = -20°C to +60°C Storage = -20°C to +60°C
Approx. Weight	17.7kg / 39lbs
15 Mins Rate	240W/cell to 1.67V/cell
Short Circuit Current	1262A
Capacity Affected by Temp. (20HR)	40°C = 102% 25°C = 100% 0°C = 85% -15°C = 65%
Charge Voltage (25°C)	Cycle Use = 14.1-14.4V (-24mV/°C) Max Current = 13.75A Float Use = 13.5-13.8V (-18mV/°C)
Dimensions (Nominal)	Length: 229mm (9.02in.) Width: 138mm (5.43 in.) Height: 200mm (7.87 in.) Total Height: 203mm (7.99 in.)

- Completely sealed, maintenance-free, low self-discharge
- State of the art hybrid grid and alloy formula
- Non-spillable, stable quality and high reliability with excellent re-charging performance
- Floating and standby use up to: 12 years
- Cycle use: Up to 260 cycles at 100% DoD
- Cycle use : Up to 600 Cycles at 50% DoD
- Container and Cover Material – ABS UL94-H B (optional UL94-V0)
- Transportation - D.O.T., I.A.T.A. & F.A.A.



APPLICATIONS

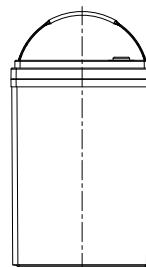
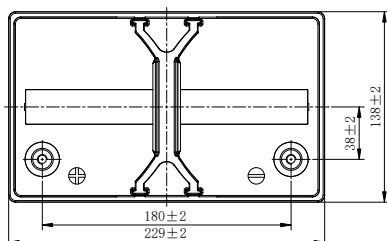
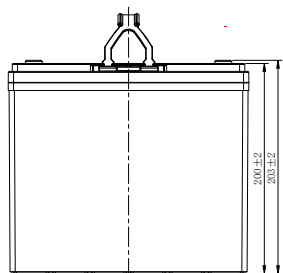
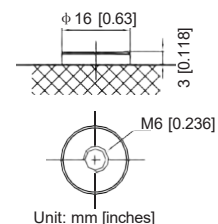
High Power Backup
Telecommunications
Critical UPS
Medical Equipment

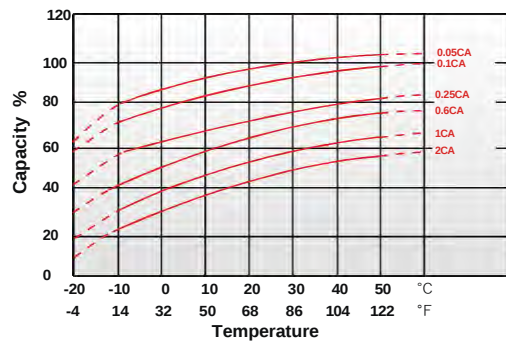
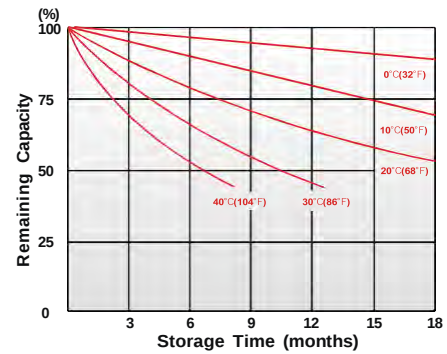
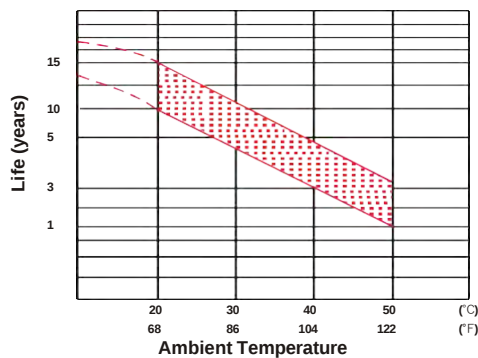
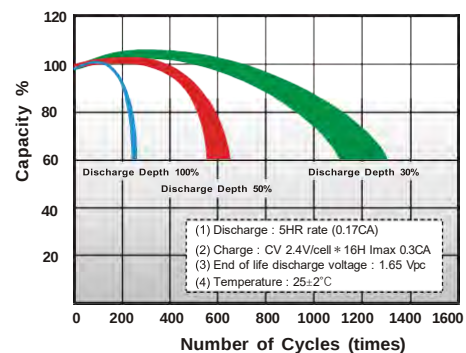
Alarm & Security System
Electric Start
Elec. Power System (EPS)
Emergency Backup Power

DC Power Supply
Auto Control System
Traffic Control Signaling
Emergency Lighting

Terminal Type

M6



**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	6h	10h	20h
1.85V/cell	147.1	107.6	90.4	59.7	34.1	19.2	13.7	10.8	8.99	7.75	5.13	2.64
1.80V/cell	175.1	122.4	102.4	64.2	35.9	20.0	14.2	11.2	9.28	7.97	5.26	2.75
1.75V/cell	202.2	135.5	110.6	67.2	37.1	20.6	14.6	11.4	9.47	8.13	5.36	2.81
1.70V/cell	219.3	147.6	118.6	70.6	38.4	21.0	15.0	11.7	9.69	8.32	5.45	2.86
1.67V/cell	237.5	156.0	127.0	73.1	39.5	21.6	15.2	11.9	9.88	8.49	5.56	2.91
1.60V/cell	255.6	166.8	132.4	75.7	40.8	22.0	15.5	12.2	10.1	8.73	5.68	2.99

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

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.85V/cell	286.3	210.7	177.9	118.6	68.2	38.5	27.7	21.9	18.3	15.8	10.5	5.46
1.80V/cell	336.9	237.0	199.4	126.3	71.3	39.9	28.6	22.5	18.8	16.2	10.8	5.65
1.75V/cell	385.5	259.9	213.5	131.3	73.4	41.0	29.2	22.9	19.0	16.4	10.9	5.75
1.70V/cell	413.0	280.0	226.2	136.5	75.3	41.4	29.7	23.3	19.3	16.7	11.0	5.81
1.67V/cell	443.8	293.8	240.8	140.6	77.1	42.3	30.0	23.6	19.6	16.9	11.2	5.89
1.60V/cell	472.3	310.7	248.5	144.2	78.9	42.7	30.4	24.0	20.0	17.2	11.3	5.98