

Ultra High Rate SLA Battery

Capacity (25°C)	20HR (7.93A, 10.5V) = 158.6AH 10HR (15.0A, 10.5V) = 150AH 5HR (26.1A, 10.5V) = 130.5AH 1HR (97.3A, 10.5V) = 97.3AH
Operating Temperature Range	Charge = -15°C to +50°C Discharge = -20°C to +60°C Storage = -20°C to +60°C
Approx. Weight	42.4kg / 93.5lbs
15 Mins Rate	540W/cell to 1.67V/cell
Max. Discharge	2015A (5s)
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 = 47.6A Float Use = 13.5-13.8V (-18mV/°C)
Dimensions (Nominal)	Length: 335mm (13.19in.) Width: 172mm (6.77 in.) Height: 275mm (10.83 in.) Total Height: 278mm (10.94 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.

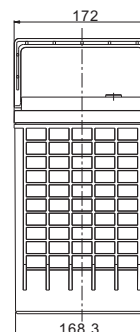
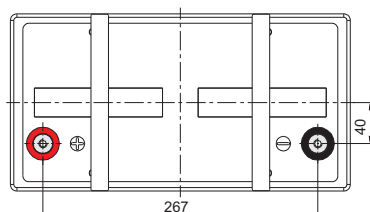
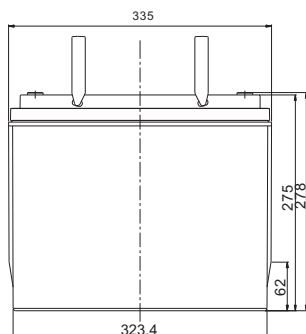


APPLICATIONS

High Power Backup
Telecommunications
Critical UPS
Medical Equipment

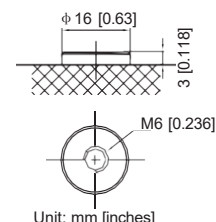
Alarm & Security System
Electric Start
Elec. Power System (EPS)
Emergency Backup Power

DC Power Supply
Auto Control System
Traffic Control Signaling
Emergency Lighting



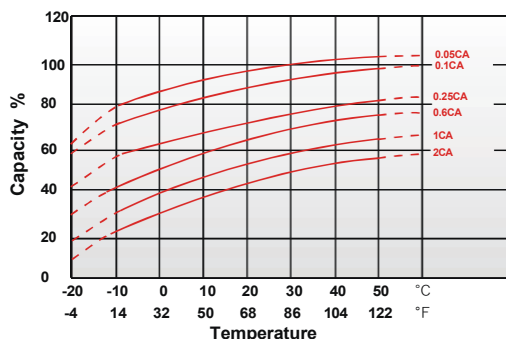
Terminal Type

M6

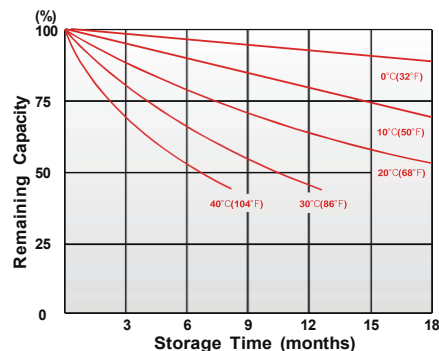


Unit: mm [inches]

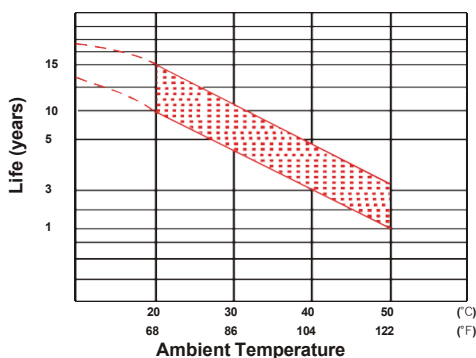
Effect of Temperature on Capacity 25°C (77°F)



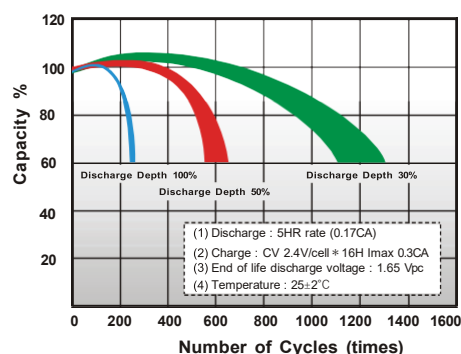
Capacity Retention Characteristic



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	20min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.85V/cell	282.7	227.9	197.5	173.4	138.3	87.0	51.50	37.2	29.6	24.6	21.4	14.3	7.57
1.80V/cell	327.4	252.0	217.6	192.0	150.7	92.1	54.0	38.8	30.7	25.5	22.1	14.7	7.75
1.75V/cell	381.3	281.8	241.2	207.9	161.8	97.3	56.3	40.1	31.5	26.1	22.6	15.0	7.93
1.70V/cell	425.9	309.7	265.0	225.9	173.3	102.0	58.2	41.2	32.3	26.7	23.0	15.3	8.06
1.67V/cell	466.9	341.3	288.5	240.4	180.8	105.6	60.1	42.4	33.1	27.3	23.5	15.5	8.20
1.60V/cell	507.8	369.2	304.4	253.4	190.0	109.5	61.7	43.2	34.0	28.0	24.2	15.9	8.36

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

F.V/Time	5min	10min	15min	20min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.85V/cell	537.7	438.4	382.7	337.8	271.0	172.5	102.8	74.4	59.5	49.8	43.50	29.5	15.6
1.80V/cell	615.4	480.8	417.80	371.3	293.0	181.3	106.8	77.1	61.2	51.1	44.40	30.0	15.9
1.75V/cell	710.1	530.7	458.9	398.9	312.2	190.2	110.7	79.2	62.5	52.0	45.20	30.4	16.2
1.70V/cell	785.4	577.9	499.2	430.2	332.1	197.9	113.6	80.8	63.8	53.0	45.80	30.9	16.4
1.67V/cell	852.0	630.1	539.0	454.3	344.4	203.8	116.8	82.8	65.0	53.9	46.60	31.2	16.6
1.60V/cell	908.9	667.5	558.6	468.8	354.4	207.5	117.7	82.9	65.5	54.3	47.10	31.3	16.6