

Pure Lead Carbon SLA Battery

Capacity (25°C)	20HR (10.8A, 10.5V) = 216AH 10HR (21.3A, 10.5V) = 213AH 5HR (39.3A, 10.5V) = 196.5AH 1HR (139.7A, 10.5V) = 139.7AH
Operating Temperature Range	Charge = -20°C to +45°C Discharge = -40°C to +65°C Storage = -20°C to +60°C
Approx. Weight	60.5 kg (133 lbs)
Max. Discharge [A]	2520
Self Discharge	4% per month at (25°C)
Capacity Affected by Temp. (20HR)	40°C = 103% 25°C = 100% 0°C = 86% -15°C = 65%
Charge Voltage (25°C)	Cycle Use = 14.1-14.4V (-3mV/cell/°C) Max Current = 210A Float Use = 13.6V (-3mV/Cell/°C)
Dimensions (Nominal)	Length: 559mm (22.0 in) Width: 125mm (4.9 in) Height: 328mm (12.9 in) Total Height: 328mm (12.9 in)

- Completely sealed, maintenance-free, low self-discharge
- State of the art Pure Lead Carbon technology PLC
- Extreme temperatures high reliability with excellent re-charging performance - 90% SoC in 1 hour.
- Floating and standby use up to: 20 years
- Cycle use: Up to 600 cycles at 100% DoD
- Cycle Use: Up to 3000 cycles at 50% DoD
- Container and Cover Material- PC/ABS UL94- V0
- Transportation - D.O.T., I.A.T.A. & FAA

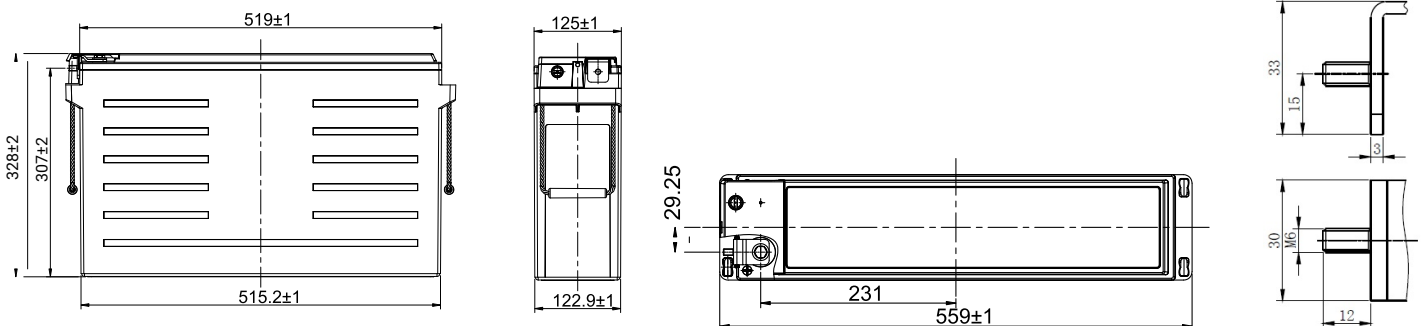


■ APPLICATIONS

- | | | |
|------------------------|--------------------------|---------------------------|
| Multipurpose | Electric Vehicle | DC Power Supply |
| Telecommunications UPS | Comm. Power Supply | Auto Control System |
| ESS / Renewable Energy | Elec. Power System (EPS) | Traffic Control Signaling |
| Utility Backup | Emergency Backup Power | Emergency Lighting |

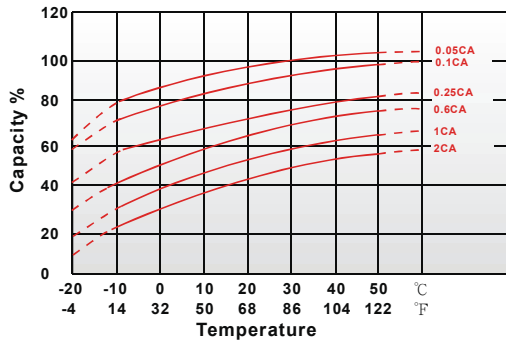


Terminal Type M6

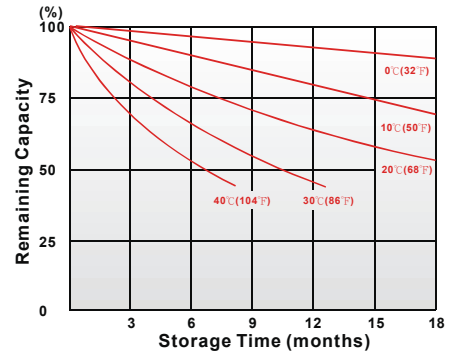


REV C

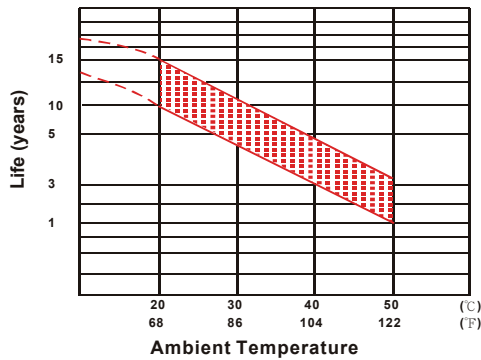
Effect of Temperature on Capacity 25°C (77°F)



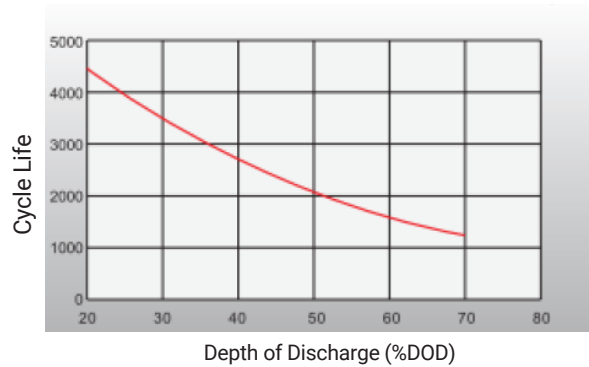
Capacity Retention Characteristic



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	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	352.8	294.0	264.6	205.8	128.8	76.6	55.0	45.4	37.5	25.0	20.4	10.7
1.80V/cell	390.6	319.2	283.5	218.2	135.4	79.5	56.9	47.0	38.7	25.8	21.0	10.8
1.75V/cell	415.8	336.0	296.1	227.9	139.7	81.2	57.9	47.9	39.3	26.3	21.3	10.8
1.70V/cell	441.0	352.8	308.7	236.1	142.9	82.4	58.7	48.3	39.8	26.5	21.6	10.9
1.67V/cell	466.2	369.6	321.3	240.2	144.3	83.1	59.0	48.6	40.0	26.7	21.8	11.0
1.60V/cell	491.4	378.0	327.6	254.8	146.4	83.6	59.3	48.9	40.2	26.8	21.8	11.1

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

F.V/Time	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	627.4	501.9	453.7	357.1	238.4	131.7	96.2	81.6	68.6	49.7	41.0	21.5
1.80V/cell	693.8	545.2	488.2	372.6	239.5	134.2	96.4	82.6	69.0	50.1	41.3	21.7
1.75V/cell	719.3	570.9	509.8	385.3	240.6	136.6	96.5	83.6	69.1	50.5	41.6	21.8
1.70V/cell	748.7	595.7	528.2	396.3	245.5	138.9	96.6	84.5	69.2	50.8	41.9	21.9
1.67V/cell	790.7	623.0	537.3	401.4	247.6	141.8	97.2	84.9	69.5	50.9	42.3	22.0
1.60V/cell	799.7	627.2	541.0	407.5	249.3	142.1	98.0	85.1	69.8	51.0	42.7	22.1