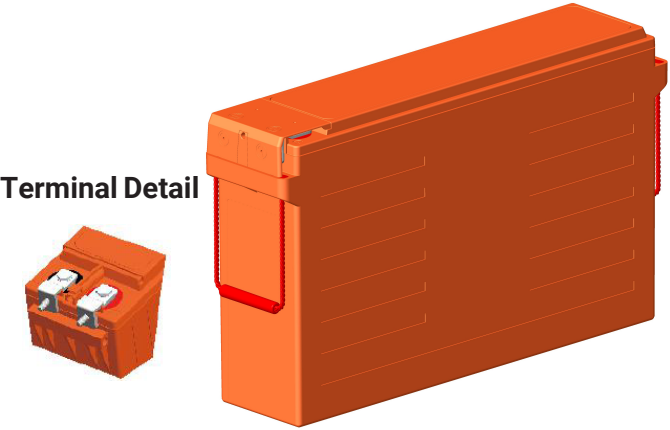


<b>Capacity (25°C)</b>	20HR (11.6A, 10.5V) = 232AH 10HR (21.3A, 10.5V) = 213AH 5HR (38.7A, 10.5V) = 193.5AH 1HR (143.0A, 10.5V) = 143.0AH
<b>Operating Temperature Range</b>	Charge = -15°C to +55°C Discharge = -40°C to +65° Storage = -20°C to +60°C
<b>Approx. Weight</b>	60.5 kg (133 lbs)
<b>Max. Discharge</b>	2520A
<b>Self Discharge</b>	2% per month at (25°C)
<b>Capacity Affected by Temp. (20HR)</b>	40°C = 103% 25°C = 100% 0°C = 86% -15°C = 65%
<b>Charge Voltage (25°C)</b>	Cycle Use = 14.1- 14.4V (-30mV/°C) Max Current = 210A Float Use = 13.6V(-20mV/°C)
<b>Dimensions (Nominal)</b>	Length: 559mm (22.01 in) Width: 125mm (4.92 in) Height: 328mm (12.90 in) Total Height: 328mm (12.90 in)

- Completely sealed, maintenance-free, low self-discharge
- State of the art Pure Lead Punched Grid PLPG technology
- Non-spillable, stable quality and high reliability with excellent re-charging performance
- Floating and standby use up to: 20 years
- Cycle use: Up to 600 cycles at 100% DoD
- Cycle use : Up to 1100 Cycles at 50% DoD
- Container and Cover Material – PC/ABS UL94-V0
- Transportation - D.O.T., I.A.T.A. & F.A.A.

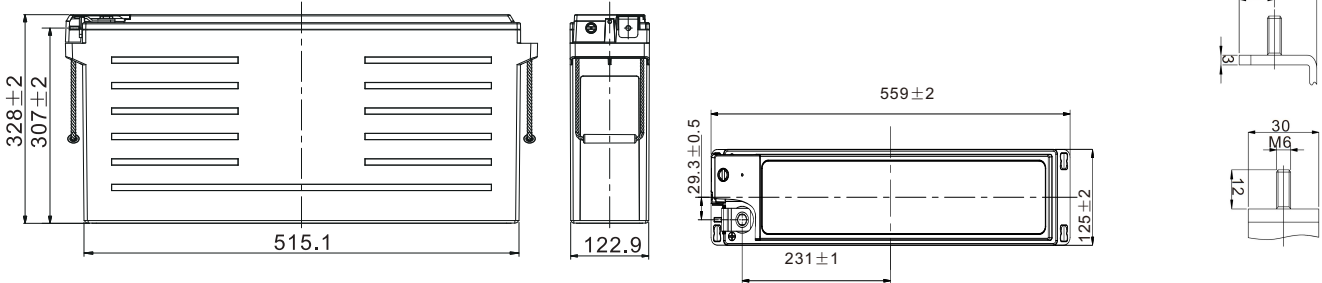


**■ APPLICATIONS**

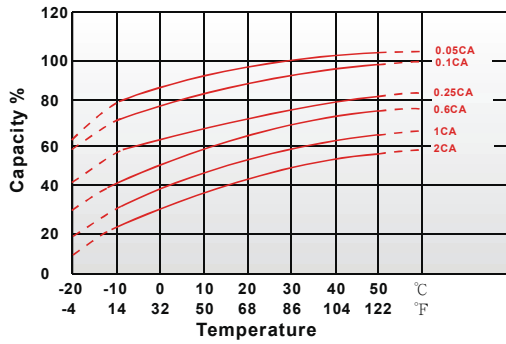
Multipurpose	Electric Vehicle	DC Power Supply
Telecommunications	Comm. Power Supply	Auto Control System
UPS	Elec. Power System (EPS)	Traffic Control Signaling
Medical Equipment	Emergency Backup Power	Emergency Lighting

**Terminal Type**

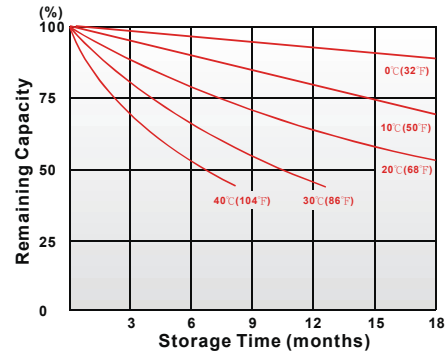
- Terminal M



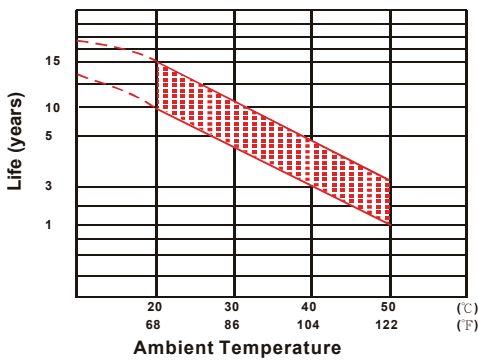
**Effect of Temperature on Capacity 25°C (77°F)**



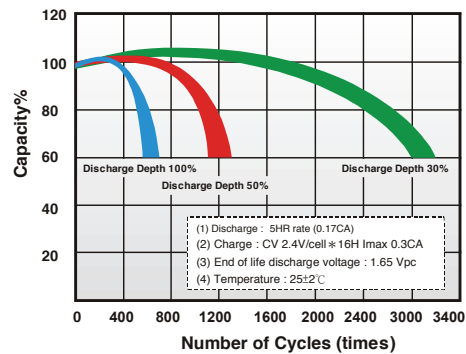
**Capacity Retention Characteristic**



**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	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	353.9	298.4	206.5	129.2	78.6	57.3	43.0	36.5	24.8	20.3	11.1
1.80V/cell	396.1	330.3	222.5	136.5	81.4	59.5	44.4	37.8	25.7	21.0	11.4
1.75V/cell	427.4	354.2	233.0	143.0	83.2	60.6	45.7	38.7	26.2	21.3	11.6
1.70V/cell	458.2	374.5	241.8	147.7	85.4	62.0	46.6	39.4	26.4	21.6	11.7
1.67V/cell	479.6	384.8	246.0	149.4	87.0	62.7	46.9	39.9	26.5	21.7	11.8
1.60V/cell	503.3	400.7	252.6	152.9	88.4	63.1	47.3	40.3	26.6	21.8	11.8

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

F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	674.0	578.0	409.5	256.2	157.1	114.5	86.4	73.6	49.5	41.3	22.3
1.80V/cell	745.9	635.0	439.0	268.8	161.7	118.4	88.9	75.7	50.5	42.4	22.9
1.75V/cell	799.5	676.0	462.3	279.8	164.5	120.3	90.7	77.1	51.5	42.9	23.3
1.70V/cell	843.7	708.6	481.0	287.6	168.2	122.5	92.3	78.4	52.4	43.3	23.4
1.67V/cell	864.2	725.0	488.0	289.3	170.5	123.5	92.8	79.2	53.0	43.4	23.5
1.60V/cell	882.6	750.8	500.0	293.9	172.1	124.0	93.2	79.5	53.1	43.6	23.6