

Capacity (25°C)	20HR (5.35A, 10.5V) = 107.0AH 10HR (10.10A, 10.5V) = 101AH 5HR (17.4A, 10.5V) = 87.0AH 1HR (61.4A, 10.5V) = 61.4AH
Operating Temperature Range	Charge = -15°C to +55°C Discharge = -40°C to +65°C Storage = -20°C to +60°C
Approx. Weight	30.8kg
Max. Discharge [A]	1200
Self Discharge	2% 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 (-30mV/°C) Max Current = 100A Float Use = 13.6V (-20mV/°C)
Dimensions (Nominal)	Length: 405mm (15.94 in) Width: 108mm (4.25 in) Height: 271mm (10.67 in) Total Height: 287mm (11.30 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 – ABS UL94-HB (optional UL94-V0)
- Transportation - D.O.T., I.A.T.A. & F.A.A.



Terminal Detail

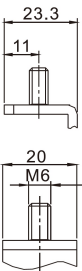
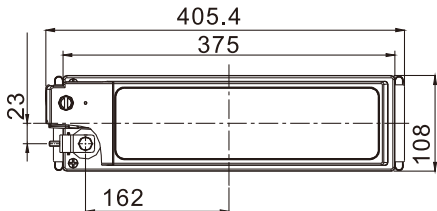
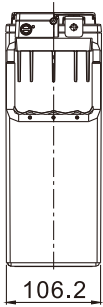
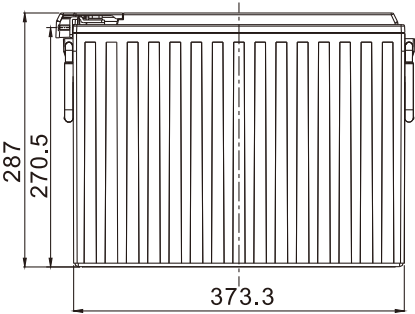


■ APPLICATIONS

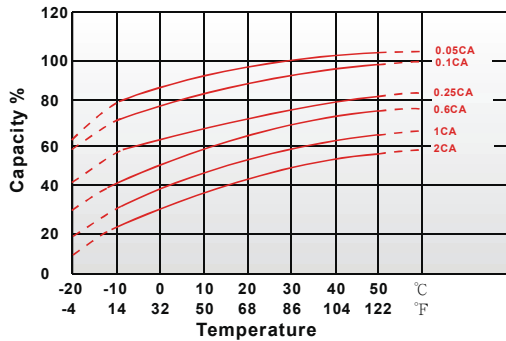
- | | | |
|--------------------|--------------------------|---------------------------|
| Multipurpose | Electric Vehicle | DC Power Supply |
| Telecommunications | Comm. Power Supply | Auto Control System |
| UPS | Elec. Power System (EPS) | Traffic Control Signaling |
| Medical Equipment | Emergency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

Terminal Type

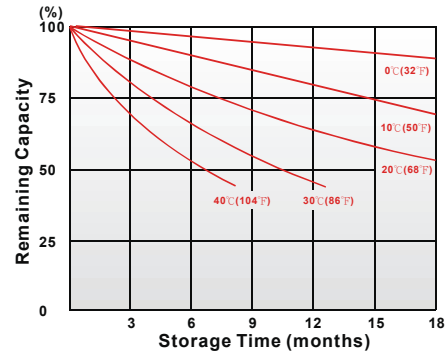
- Terminal M



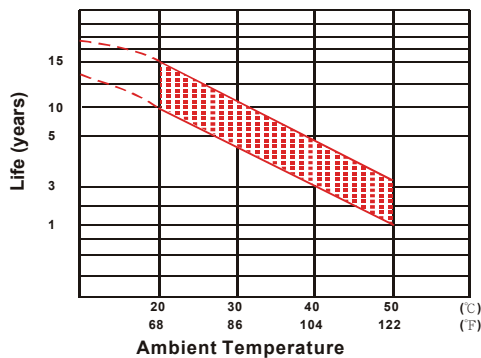
Effect of Temperature on Capacity 25°C (77°F)



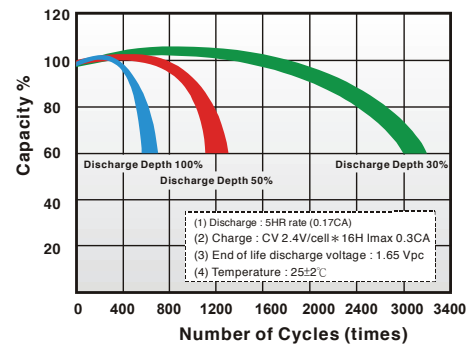
Capacity Retention Characteristic



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 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	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	180.8	152.1	99.7	66.4	38.0	26.2	22.3	18.3	11.9	9.65	5.12
1.80V/cell	204.0	170.1	105.2	69.7	39.7	27.4	23.2	18.9	12.2	9.91	5.24
1.75V/cell	221.2	179.3	108.3	71.4	40.9	27.8	23.6	19.2	12.5	10.0	5.30
1.70V/cell	236.5	189.6	112.2	72.9	41.6	28.0	24.0	19.4	12.5	10.0	5.38
1.67V/cell	251.7	199.3	116.6	75.1	42.6	29.3	24.3	19.6	12.5	10.1	5.42
1.60V/cell	268.3	209.6	120.5	76.5	44.0	29.9	24.5	19.8	12.6	10.1	5.51

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	343.1	290.4	194.0	131.7	75.8	52.8	45.4	37.3	24.3	19.9	10.5
1.80V/cell	380.8	321.1	203.5	137.4	78.9	55.3	47.0	38.4	24.6	20.3	10.7
1.75V/cell	408.7	335.3	207.7	140.0	80.8	56.0	47.9	38.8	24.9	20.4	10.7
1.70V/cell	430.4	350.2	213.5	142.1	81.9	57.6	48.4	39.3	25.4	20.4	10.9
1.67V/cell	453.6	364.4	220.8	145.8	83.7	58.8	49.3	39.8	25.5	20.5	11.0
1.60V/cell	470.5	375.2	225.4	147.2	85.4	59.6	50.0	40.3	25.5	20.5	11.2