

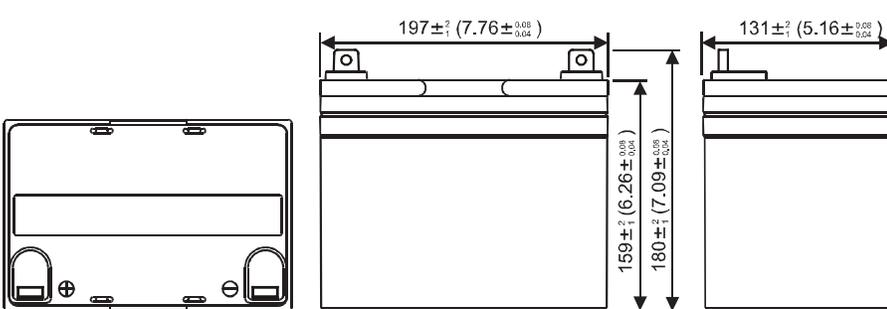
Capacity (25°C)	20HR (1.93A, 10.5V) = 38.6AH 10HR (3.64A, 10.5V) = 36.4AH 5HR (6.43A, 10.5V) = 32.15AH 1HR (22.6A, 10.5V) = 22.6AH
Operating Temperature Range	Charge = -15°C to +50°C Discharge = -20°C to +60°C Storage = -20°C to +60°C
Approx. Weight	10.7kg
Internal Resistance	Fully charged at 25°C : ≤ 8mΩ
Self Discharge	2% per month at (25°C)
Capacity Affected by Temp. (20HR)	40°C = 102% 25°C = 100% 0°C = 85% -15°C = 65%
Charge Voltage (25°C)	Cycle Use = 14.4-14.7V (-30mV/°C) Max Current = 10.8A Float Use = 13.5-13.8V (-20mV/°C)
Dimensions (Nominal)	Length: 197mm (7.76 in.) Width: 131mm (5.16 in.) Height: 159mm (6.26 in.) Total Height: 180mm (7.09 in.)

- Completely sealed, maintenance-free, low self-discharge
- State of the art AGM and grid alloy formula technology
- Non-spillable, stable quality and high reliability with excellent re-charging performance
- Floating and standby use up to: 6 years
- Cycle use: Up to 260 cycles at 100% DoD
- Cycle use: Up to 500 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.



■ APPLICATIONS

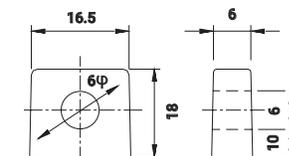
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|--------------------|--------------------------|---------------------------|
| Multipurpose | Alarm & Security System | DC Power Supply |
| Telecommunications | Comm. Power Supply | Auto Control System |
| UPS | Elec. Power System (EPS) | Traffic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



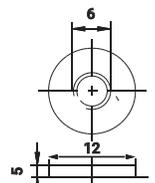
Terminal Type

■ Terminal NB

■ Terminal M

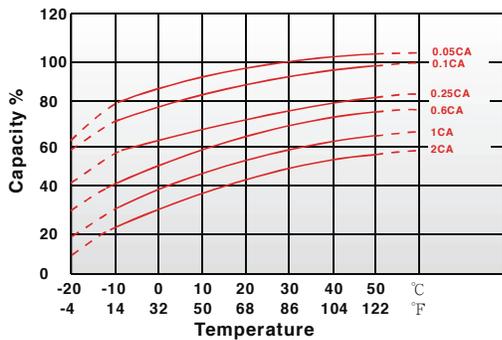


M6 Bolt & Nut

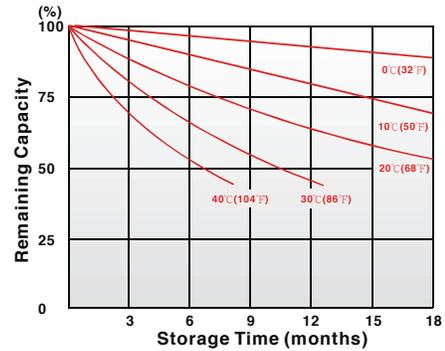


M6 Bolt

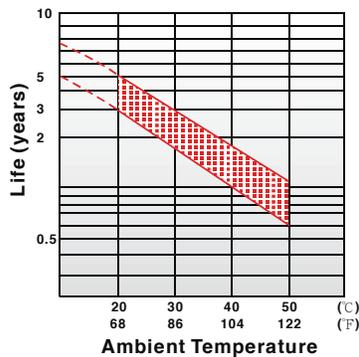
Effect of Temperature on Capacity 25°C (77°F)



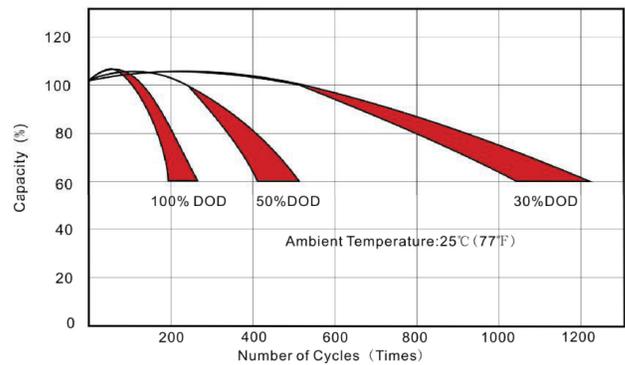
Capacity Retention Characteristic



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	10h	20h
1.85V/cell	93.30	69.00	60.80	37.30	20.60	11.70	8.89	7.38	6.27	3.52	1.81
1.80V/cell	104.00	74.30	63.70	38.90	21.70	12.30	9.21	7.52	6.38	3.59	1.88
1.75V/cell	115.00	79.40	64.90	39.80	22.60	12.80	9.42	7.59	6.43	3.64	1.93
1.70V/cell	124.00	84.20	66.00	40.60	23.40	13.20	9.61	7.64	6.48	3.68	1.96
1.67V/cell	128.00	86.70	66.40	41.10	23.70	13.30	9.68	7.66	6.50	3.69	1.97
1.60V/cell	139.00	93.90	67.60	42.10	24.50	13.70	9.83	7.73	6.55	3.73	1.99

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

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h
1.85V/cell	175.00	134.00	117.00	73.70	44.20	24.30	18.50	15.00	12.30	7.12	3.63
1.80V/cell	188.00	142.00	123.00	76.20	45.70	25.50	19.30	15.30	12.50	7.25	3.75
1.75V/cell	203.00	150.00	127.00	77.70	46.70	26.30	20.00	15.50	12.70	7.37	3.83
1.70V/cell	215.00	158.00	131.00	79.00	47.50	27.00	20.50	15.70	12.90	7.48	3.92
1.67V/cell	221.00	163.00	133.00	79.70	47.80	27.20	20.70	15.80	13.00	7.60	3.95
1.60V/cell	235.00	174.00	139.00	81.80	48.70	27.80	21.00	16.00	13.10	7.75	4.03