

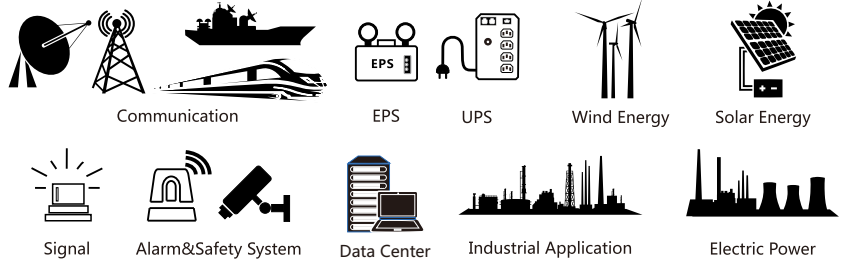
# TN2-200B [2V 200Ah]



## Product Features

General Purpose (AGM)				10~12 years of design life@25°C
100% Model Coverage Both Cycle & Float Application	↑98% Capacity Retention High Purity Electrolyte	↑20% Charge Acceptance Special Negative Additive	↓50% Grid Corrosion Rare-earth patent alloy	

## Product Applications



## Physical Specifications

Model	Dimensions (mm/inch)				Weight (kg/lbs)	Terminal	Container
TN2-200B	Length	Width	Height	Total Height	12.6/27.8	17	ABS UL94-HB (Optional: FR ABS UL94-V0)
	170/6.69	106/4.17	330/13.0	341.5/13.4			

## Product Specifications

Nominal Voltage	Rated Capacity@25°C/77°F	Internal Resistance	Max. Discharge Current	Operating Temp. Range
2V	212Ah 20hr Rate (1.80V/cell) 200Ah 10hr Rate (1.80V/cell) 171Ah 5hr Rate (1.75V/cell) 154Ah 3hr Rate (1.70V/cell)	0.69mΩ@25°C/77°F	1240A (5s)	Discharge:-15~50°C (5~122°F) Charge:0~40°C (32~104°F) Storage:-15~40°C (5~104°F) Optimum:25±2°C (77±4°F)

## Constant Current Discharge (A)@25°C (77°F)

F.V/Time	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	125	102	63.1	48.4	39.1	32.9	28.9	23.0	19.6	10.5
1.83V/cell	136	105	64.5	49.2	39.6	33.4	29.2	23.3	19.8	10.5
1.80V/cell	148	108	66.1	50.0	40.2	33.8	29.5	23.5	20.0	10.6
1.75V/cell	157	112	67.5	50.7	40.6	34.2	29.8	23.7	20.4	10.9
1.70V/cell	164	115	68.5	51.3	40.9	34.5	30.1	23.9	20.6	11.0

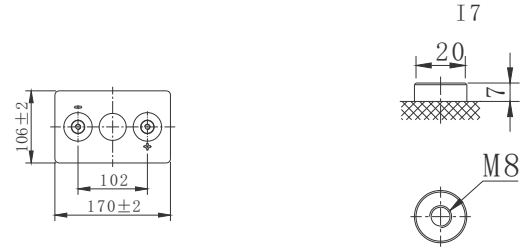
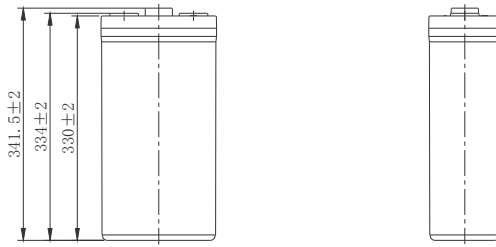
## Constant Power Discharge (W/cell)@25°C (77°F)

F.V/Time	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	237	197	123	94.7	77.4	65.8	57.8	46.2	39.4	21.0
1.83V/cell	255	201	125	96.0	78.2	66.6	58.4	46.6	39.8	21.1
1.80V/cell	274	206	127	97.0	79.1	67.4	58.9	46.9	40.0	21.2
1.75V/cell	288	209	130	97.3	79.5	67.8	59.4	47.3	40.8	21.9
1.70V/cell	296	211	130	97.7	79.7	68.1	59.7	47.6	41.1	22.0

# TN2-200B [2V 200Ah]

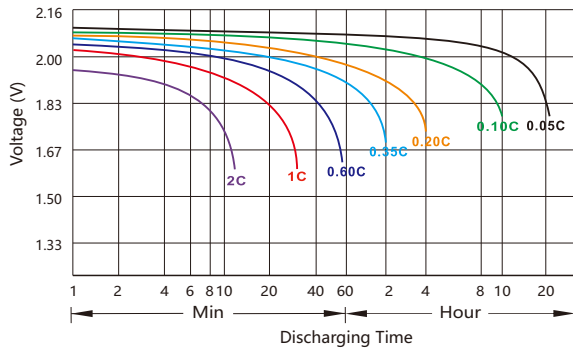


## Battery Dimensions(mm)

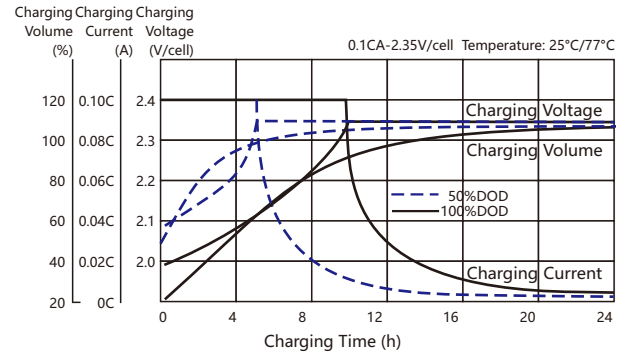


## Electrical Characteristics

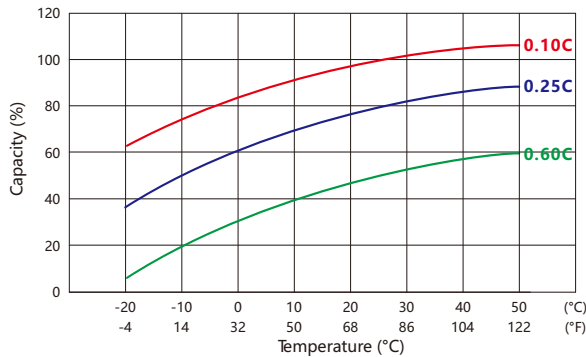
### Discharging Characteristics(25°C)



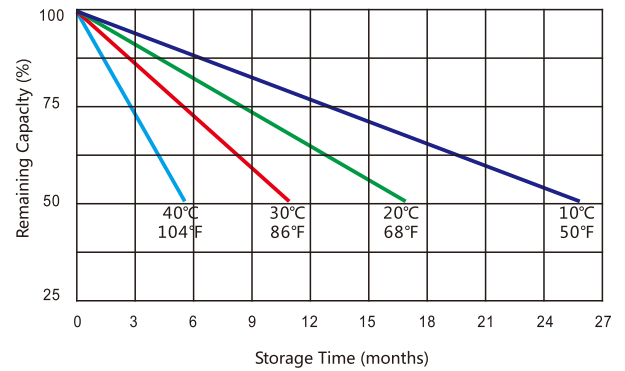
### Charging Characteristics(25°C)



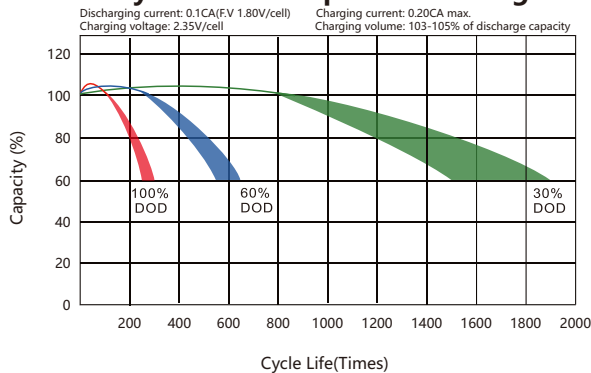
### Capacity vs Temperature



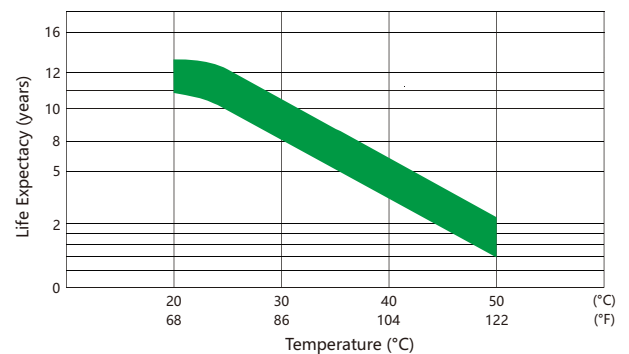
### Self-discharge vs Time



### Cycle Life vs Depth of Discharge



### Floating Life vs Temperature



## Usage and Maintenance

Charge Current	Equalization Charge	Float Charge
Limited current: $\leq 0.2 C_{10}A$	Constant Voltage: 2.35~2.4V@25°C(77°F) Temp.Coefficient:-4mV/°C	Constant Voltage: 2.23~2.27V@25°C(77°F) Temp.Coefficient:-3mV/°C