

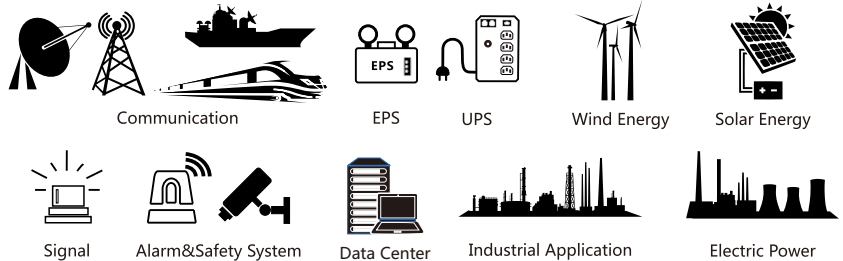
# TN2-800B [2V 800Ah]



## 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
TN2-800B	Length	Width	Height	Total Height	47.0/103.6	17	ABS UL94-HB (Optional: FR ABS UL94-V0)
	382/15.0	170/6.69	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	848Ah 20hr Rate (1.80V/cell) 800Ah 10hr Rate (1.80V/cell) 685Ah 5hr Rate (1.75V/cell) 615Ah 3hr Rate (1.70V/cell)	0.37mΩ@25°C/77°F	4960A (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	499	407	252	194	156	132	116	92.1	78.5	41.8
1.83V/cell	544	420	258	197	158	134	117	93.0	79.4	42.1
1.80V/cell	590	433	264	200	161	135	118	93.9	80.0	42.4
1.75V/cell	629	446	270	203	162	137	119	94.7	81.6	43.7
1.70V/cell	658	458	274	205	164	138	120	95.5	82.4	44.0

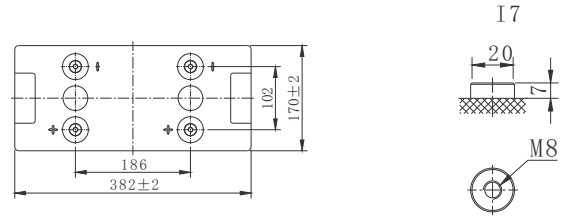
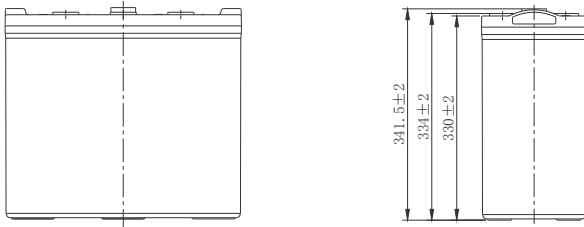
## Constant Power Discharge (W/cell)@25°C (77°F)

F.V/Time	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	947	787	492	379	309	263	231	185	158	84.1
1.83V/cell	1022	805	500	384	313	266	233	186	159	84.5
1.80V/cell	1098	822	510	388	316	270	236	188	160	84.9
1.75V/cell	1151	837	518	389	318	271	238	189	163	87.4
1.70V/cell	1184	842	522	391	319	272	239	191	164	88.0

# TN2-800B [2V 800Ah]

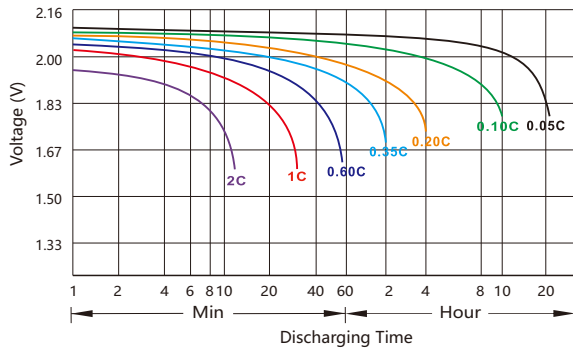


## Battery Dimensions(mm)

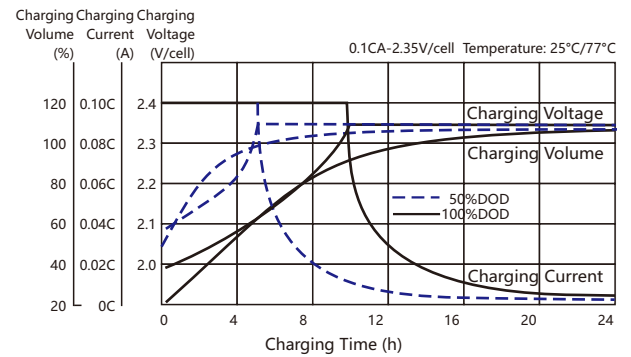


## Electrical Characteristics

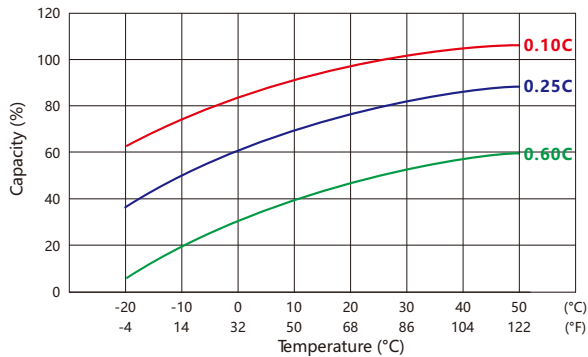
### Discharging Characteristics(25°C)



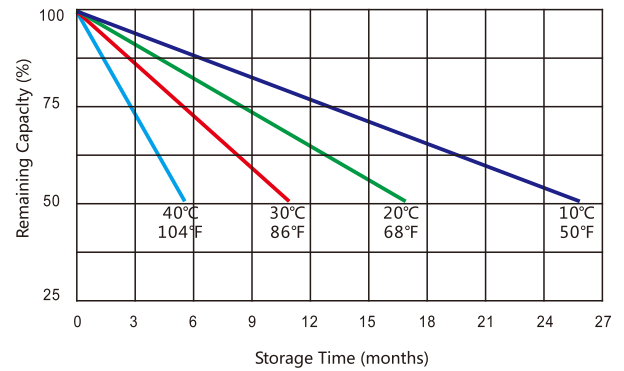
### Charging Characteristics(25°C)



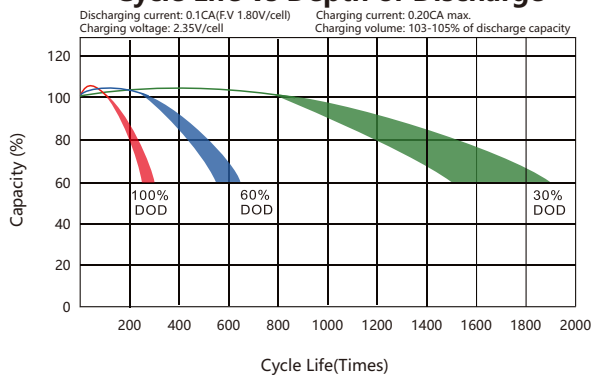
### Capacity vs Temperature



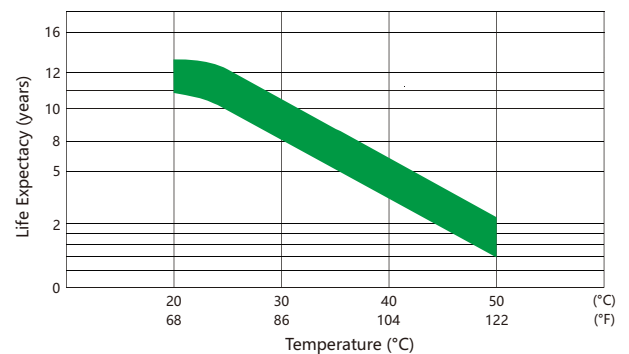
### Self-discharge vs Time



### 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