

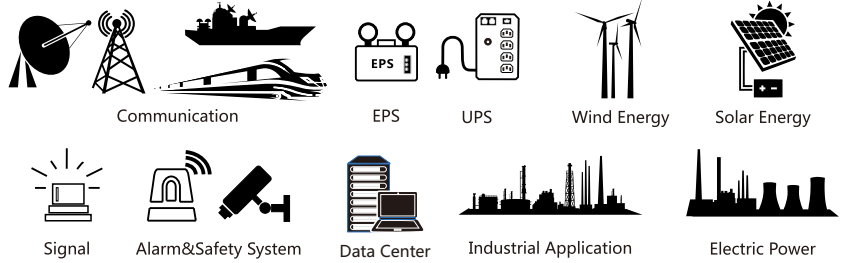
TN2-1000B [2V 1000Ah]



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
TN2-1000B	Length	Width	Height	Total Height	58.0/127.9	17	ABS UL94-HB (Optional: FR ABS UL94-V0)
	470/18.5	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	1060Ah 20hr Rate (1.80V/cell) 1000Ah 10hr Rate (1.80V/cell) 855Ah 5hr Rate (1.75V/cell) 768Ah 3hr Rate (1.70V/cell)	0.36mΩ@25°C/77°F	6200A (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	624	509	316	242	195	164	145	115	98.1	52.3
1.83V/cell	680	525	323	246	198	167	146	116	99.2	52.6
1.80V/cell	738	541	331	250	201	169	148	117	100	53.0
1.75V/cell	786	558	338	253	203	171	149	118	102	54.7
1.70V/cell	822	573	343	256	205	172	150	119	103	55.1

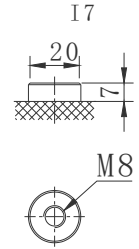
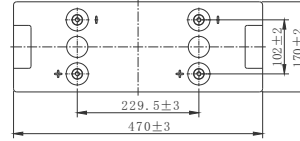
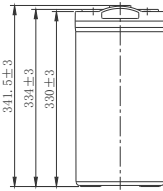
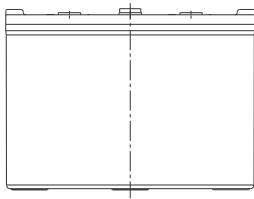
Constant Power Discharge (W/cell)@25°C (77°F)

F.V/Time	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1184	984	615	474	387	329	289	231	197	105
1.83V/cell	1277	1006	625	480	391	333	292	233	199	106
1.80V/cell	1372	1028	637	485	395	337	295	235	200	106
1.75V/cell	1439	1046	648	487	397	339	297	237	204	109
1.70V/cell	1480	1053	652	488	399	340	299	238	206	110

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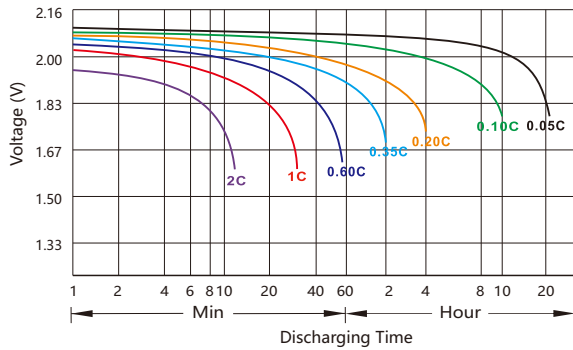


Battery Dimensions(mm)

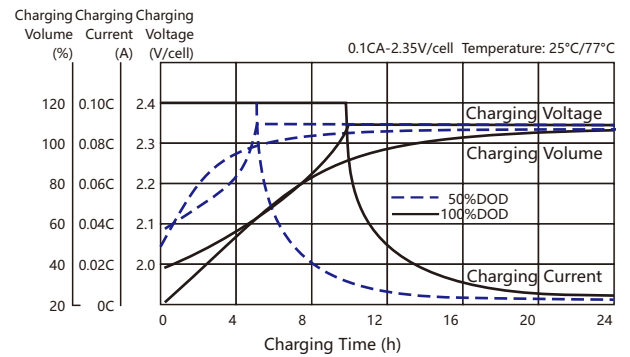


Electrical Characteristics

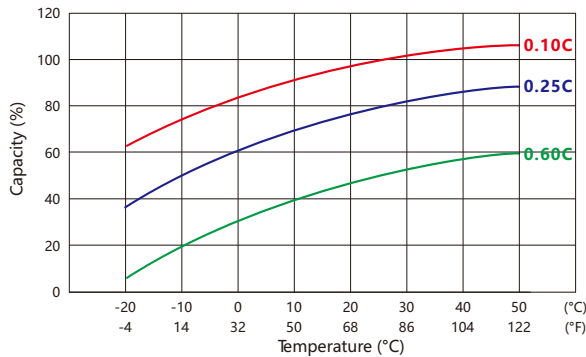
Discharging Characteristics(25°C)



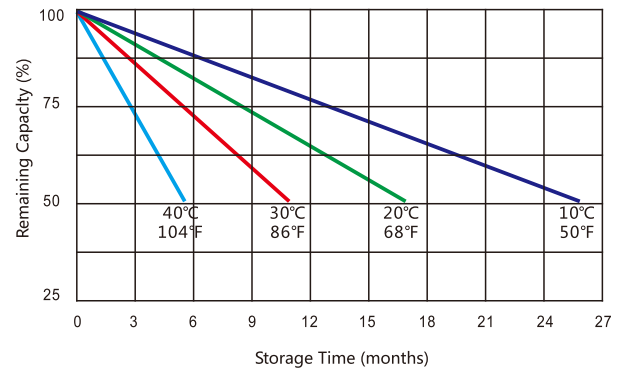
Charging Characteristics(25°C)



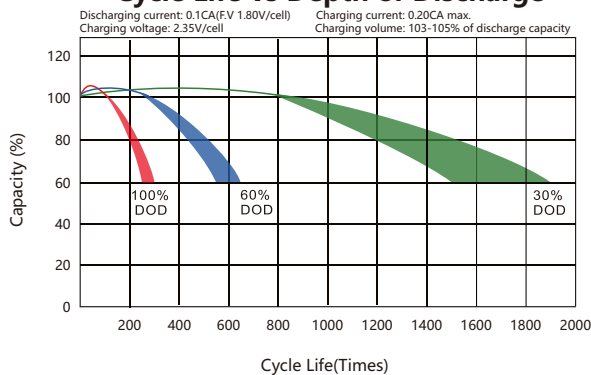
Capacity vs Temperature



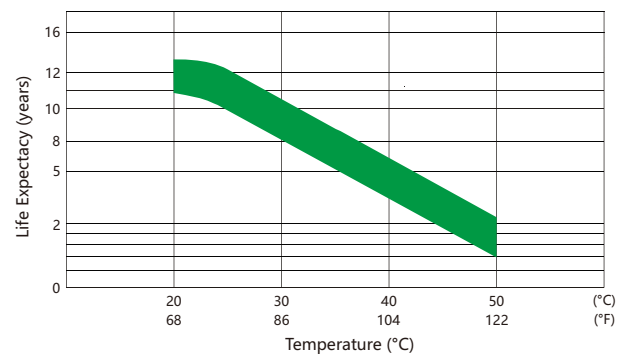
Self-discharge vs Time



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