

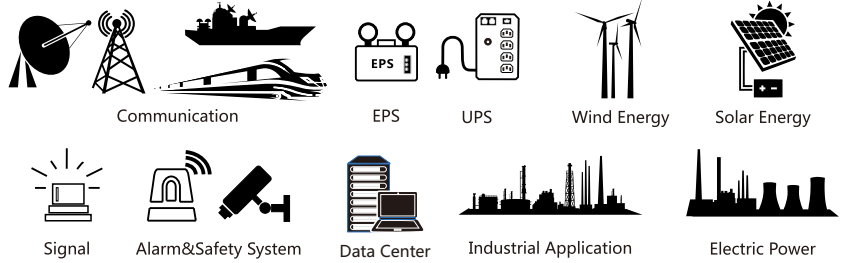
TN2-600B [2V 600Ah]



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
TN2-600B	Length	Width	Height	Total Height	35.5/78.3	I7	ABS UL94-HB (Optional: FR ABS UL94-V0)
	285/11.2	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	636Ah 20hr Rate (1.80V/cell) 600Ah 10hr Rate (1.80V/cell) 515Ah 5hr Rate (1.75V/cell) 462Ah 3hr Rate (1.70V/cell)	0.39mΩ@25°C/77°F	3720A (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	374	305	189	145	117	98.6	86.7	69.1	58.9	31.4
1.83V/cell	408	315	194	148	119	100	87.6	69.8	59.5	31.6
1.80V/cell	443	325	198	150	121	102	88.5	70.4	60.0	31.8
1.75V/cell	472	335	203	152	122	103	89.5	71.0	61.2	32.8
1.70V/cell	493	344	206	154	123	103	90.2	71.6	61.8	33.0

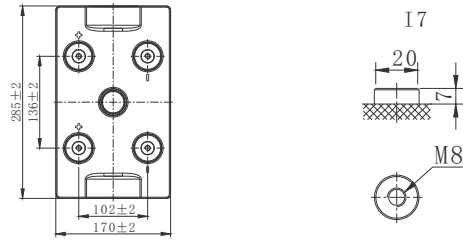
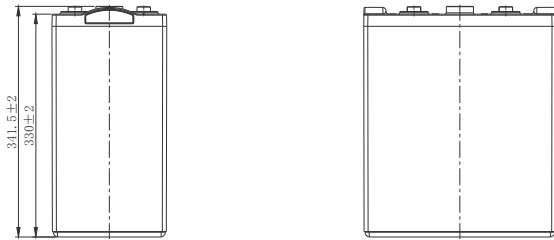
Constant Power Discharge (W/cell)@25°C (77°F)

F.V/Time	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	710	590	369	284	232	197	173	139	118	63.0
1.83V/cell	766	604	375	288	235	200	175	140	119	63.4
1.80V/cell	823	617	382	291	237	202	177	141	120	63.7
1.75V/cell	863	627	389	292	238	203	178	142	122	65.6
1.70V/cell	888	632	391	293	239	204	179	143	123	66.0

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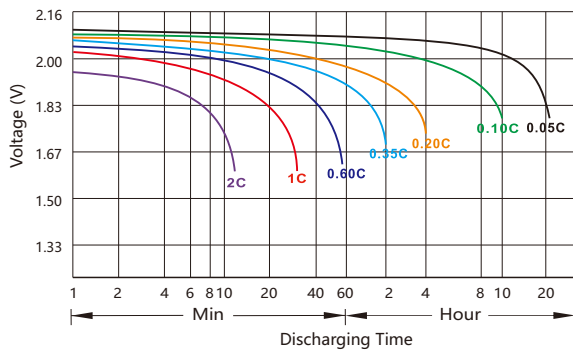


Battery Dimensions(mm)

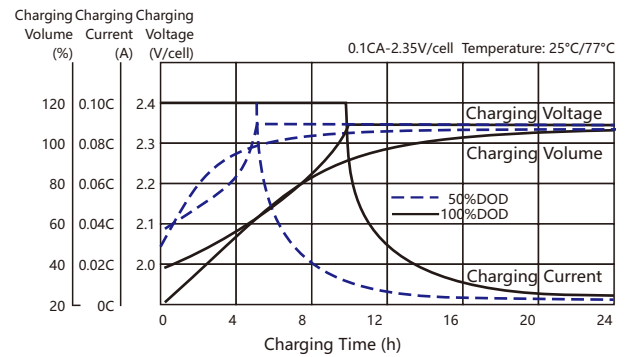


Electrical Characteristics

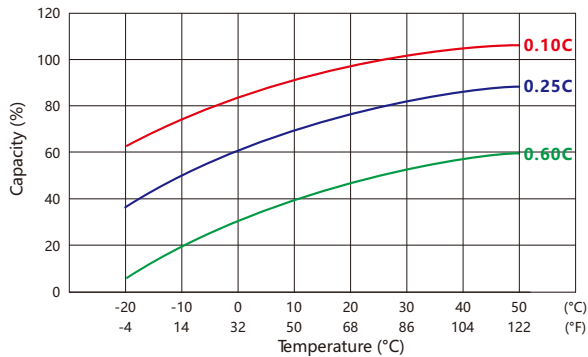
Discharging Characteristics(25°C)



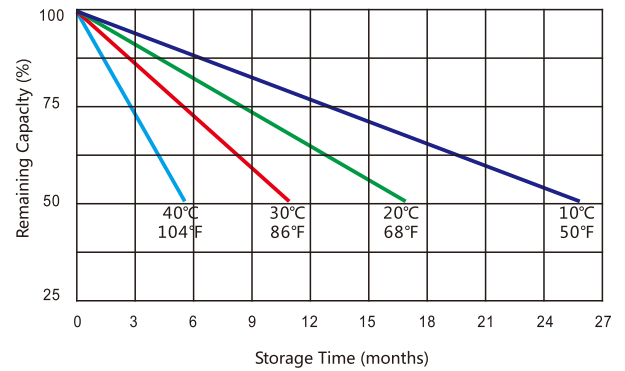
Charging Characteristics(25°C)



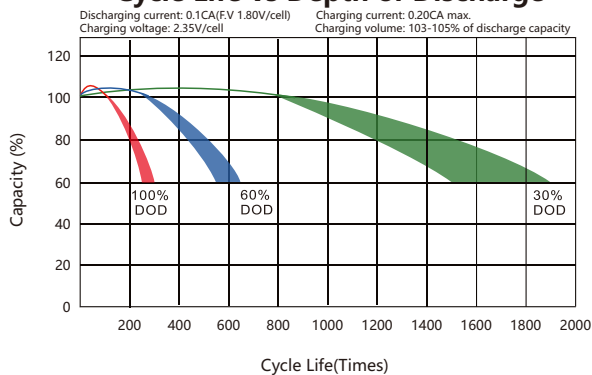
Capacity vs Temperature



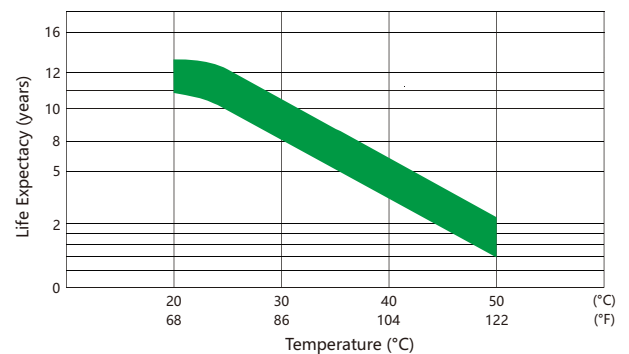
Self-discharge vs Time



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