

Product Features

General Purpose (GEL)		300~350 Cycle Times @100% DOD	
↑20% Cycle Life High temperature curing	↑10% Low Temp. Capacity Nano Gel Electrolyte	↑20% Charge Acceptance Special Negative Additive	↓50% Grid Corrosion Rare-earth patent alloy

Product Applications



Physical Specification

Model	Dimensions (mm/inch)				Weight (kg/lbs)	Terminal	Container
TNG2-2000	Length	Width	Height	Total Height	120/265	I7	ABS UL94-HB (Optional: FR ABS UL94-V0)
	490/19.3	350/13.8	340/13.4	350/13.8			

Product Specifications

Nominal Voltage	Rated Capacity ^{25°C/77°F}	Internal Resistance	Max. Discharge Current	Operating Temp. Range
2V	2140Ah 20hr Rate (1.80V/cell) 2000Ah 10hr Rate (1.80V/cell) 1780Ah 5hr Rate (1.75V/cell) 1632Ah 3hr Rate (1.70V/cell)	0.3mΩ@25°C/77°F	12000A (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	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1445	1114	942	601	471	389	331	286	230	192	105
1.80V/cell	1600	1247	1046	648	498	407	343	299	239	200	107
1.75V/cell	1723	1343	1113	694	521	422	356	309	246	205	109
1.70V/cell	1851	1414	1178	722	544	440	367	316	250	209	112
1.67V/cell	1954	1478	1225	749	568	455	381	327	255	212	114
1.60V/cell	2086	1558	1282	772	581	469	392	336	262	217	115

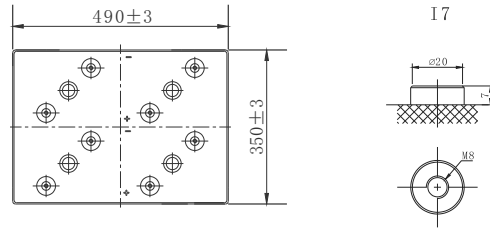
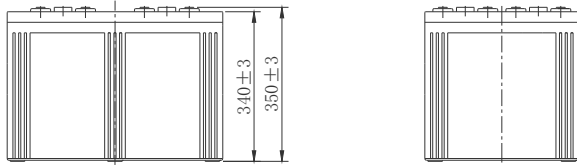
Constant Power Discharge (W/cell)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2843	2210	1876	1207	952	790	675	585	472	395	216
1.80V/cell	3139	2467	2078	1298	1003	823	698	609	488	409	219
1.75V/cell	3371	2649	2203	1387	1047	852	721	629	502	418	223
1.70V/cell	3609	2785	2328	1438	1090	886	741	640	508	424	229
1.67V/cell	3800	2903	2414	1489	1135	913	767	660	518	430	232
1.60V/cell	4038	3046	2518	1528	1157	938	788	676	529	438	234

TNG2-2000[2V2000Ah]

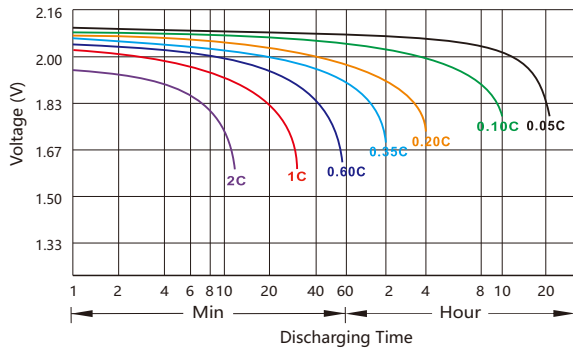


Battery Dimensions(mm)

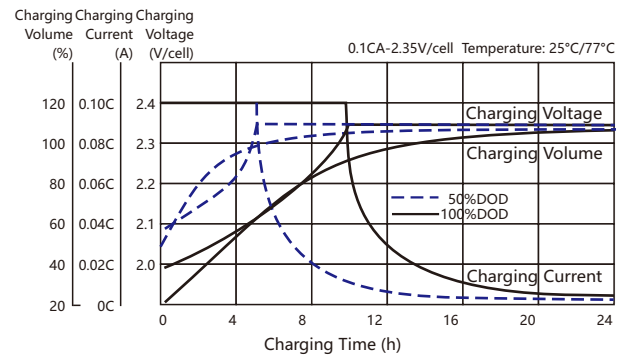


Electrical Characteristics

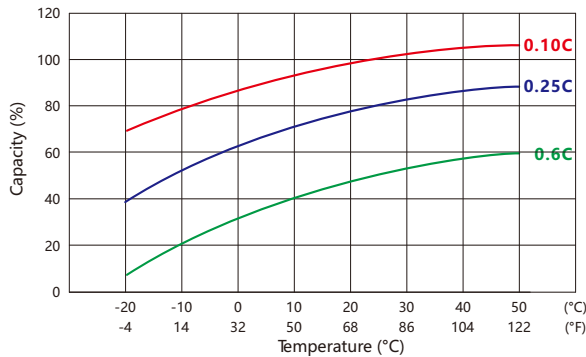
Discharging Characteristics(25°C)



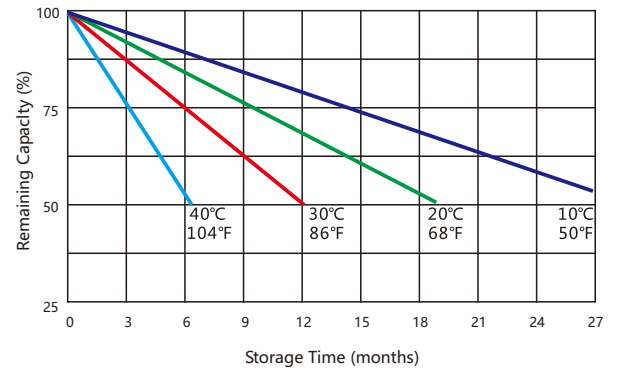
Charging Characteristics(25°C)



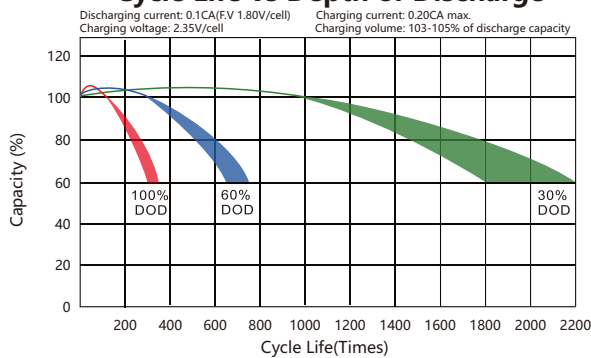
Capacity vs Temperature



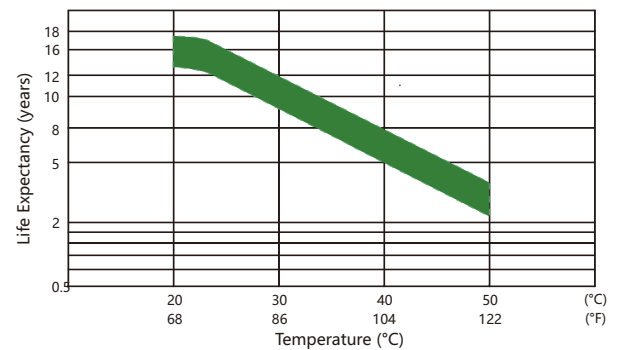
Self-discharge vs Time



Cycle Life vs Depth of Discharge



Floating Life vs Temperature



Usage and Maintenance

Charge Current	Equalization Charge	Float Charge
Limited current: $\leq 0.2C_{10}A$	Constant Voltage: 2.35~2.40V@25°C(77°F) Temp.Coefficient: -4mV/°C	Constant Voltage: 2.23~2.27V@25°C(77°F) Temp.Coefficient: -3mV/°C