

TNG2-1500 [2V1500Ah]



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
TNG2-1500	Length	Width	Height	Total Height	98.0/216	I7	ABS UL94-HB (Optional: FR ABS UL94-V0)
	403/15.9	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	1602Ah 20hr Rate (1.80V/cell) 1500Ah 10hr Rate (1.80V/cell) 1335Ah 5hr Rate (1.75V/cell) 1224Ah 3hr Rate (1.70V/cell)	0.4mΩ@25°C/77°F	9000A (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	1084	836	707	451	353	292	248	215	173	144	78.8
1.80V/cell	1200	935	785	486	374	305	257	224	179	150	80.1
1.75V/cell	1292	1007	834	521	391	317	267	232	184	153	81.8
1.70V/cell	1388	1061	883	541	408	330	275	237	188	156	84.3
1.67V/cell	1466	1108	918	562	426	341	286	245	191	159	85.7
1.60V/cell	1564	1168	961	579	436	352	294	252	197	163	86.5

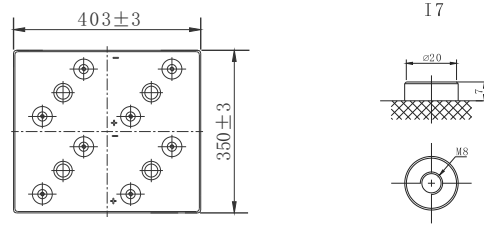
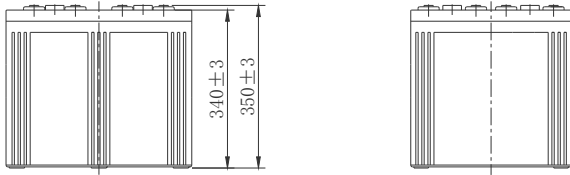
Constant Power Discharge (W/cell)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2132	1657	1407	906	714	593	506	438	354	296	162
1.80V/cell	2354	1850	1559	974	753	617	523	457	366	307	164
1.75V/cell	2528	1987	1652	1040	785	639	541	472	376	314	167
1.70V/cell	2707	2088	1746	1079	817	664	556	480	381	318	172
1.67V/cell	2850	2177	1810	1116	851	685	575	495	388	322	174
1.60V/cell	3028	2285	1888	1146	868	703	591	507	397	329	175

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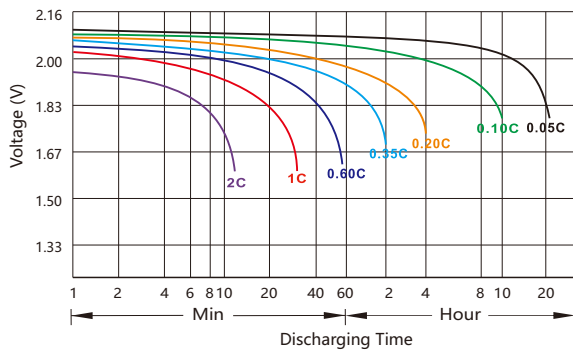


Battery Dimensions(mm)

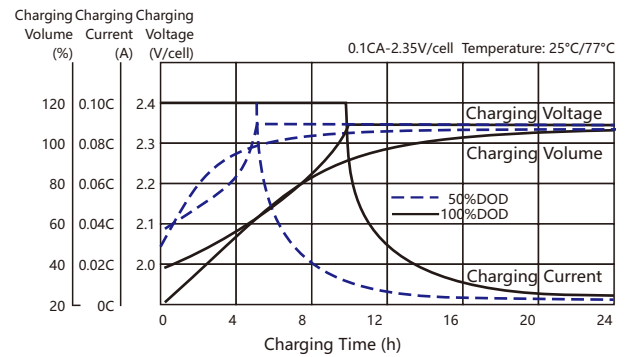


Electrical Characteristics

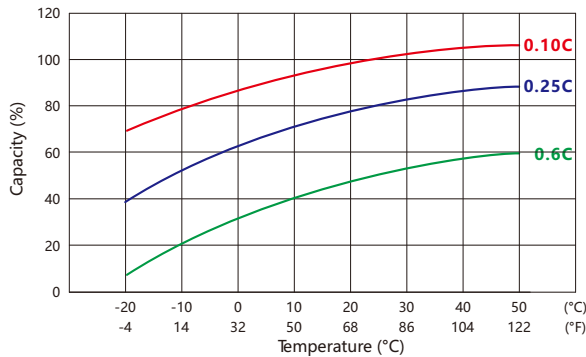
Discharging Characteristics(25°C)



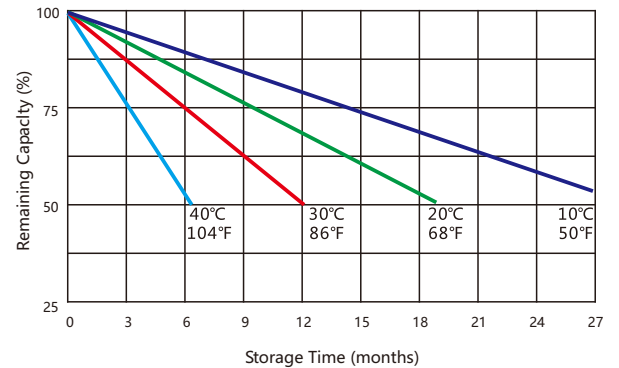
Charging Characteristics(25°C)



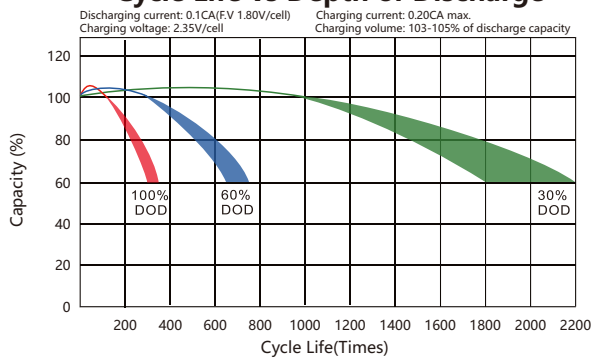
Capacity vs Temperature



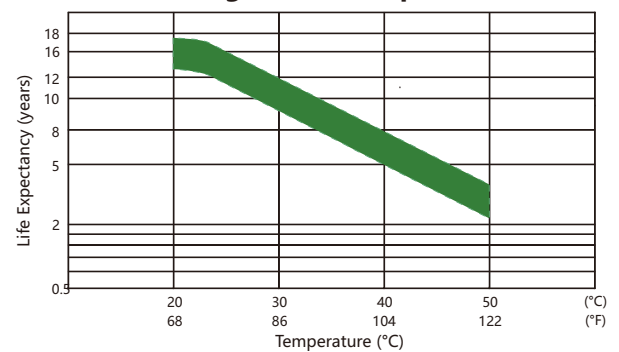
Self-discharge vs Time



Cycle Life vs Depth of Discharge



Floating Life vs Temperature



Usage and Maintenance

Charge Current	Equalization Charge	Float Charge
Limited current: $\leq 0.2C_{10}A$	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