



## 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
TNG2-600	Length	Width	Height	Total Height	35.8/78.9	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 <sup>25°C/77°F</sup>	Internal Resistance	Max. Discharge Current	Operating Temp. Range
2V	640Ah 20hr Rate (1.80V/cell) 600Ah 10hr Rate (1.80V/cell) 535Ah 5hr Rate (1.75V/cell) 489Ah 3hr Rate (1.70V/cell)	0.6mΩ@25°C/77°F	3600A (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	433	334	283	180	141	117	99.2	85.8	69.0	57.7	31.5
1.80V/cell	480	374	314	194	149	122	103	89.6	71.6	60.0	32.0
1.75V/cell	517	403	334	208	156	127	107	92.8	73.7	61.4	32.7
1.70V/cell	555	424	353	217	163	132	110	94.8	75.0	62.6	33.7
1.67V/cell	586	443	367	225	171	137	114	98.0	76.6	63.5	34.3
1.60V/cell	626	467	385	231	174	141	118	100.7	78.7	65.0	34.6

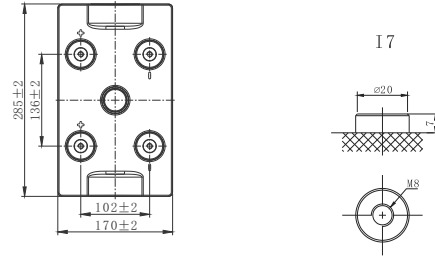
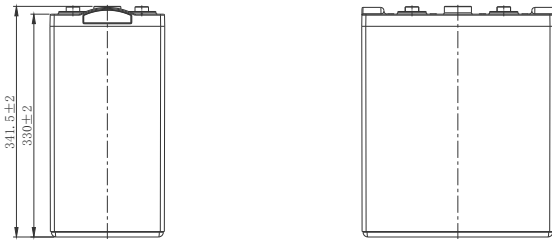
## Constant Power Discharge (W/cell)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	853	663	563	362	286	237	202	175	142	119	64.8
1.80V/cell	942	740	623	390	301	247	209	183	147	123	65.8
1.75V/cell	1011	795	661	416	314	256	216	189	151	125	66.9
1.70V/cell	1083	835	699	431	327	266	222	192	152	127	68.7
1.67V/cell	1140	871	724	447	341	274	230	198	155	129	69.7
1.60V/cell	1211	914	755	458	347	281	236	203	159	131	70.1

# TNG2-600[2V600Ah]

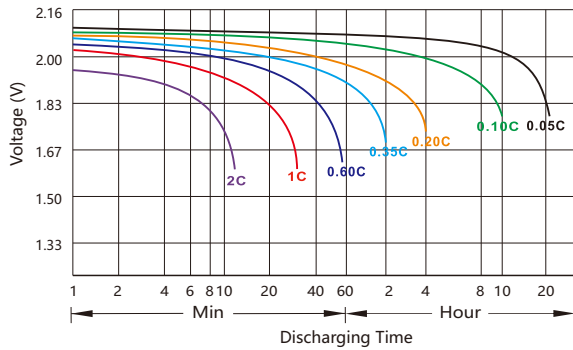


## Battery Dimensions(mm)

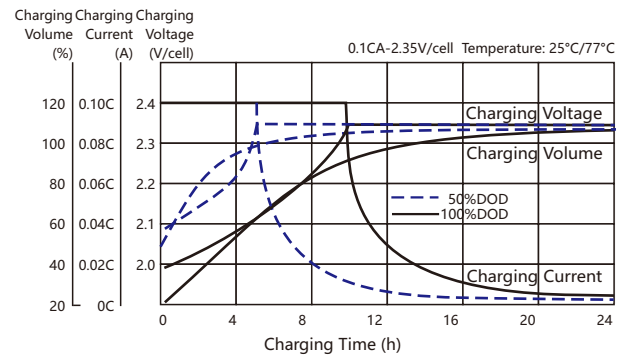


## Electrical Characteristics

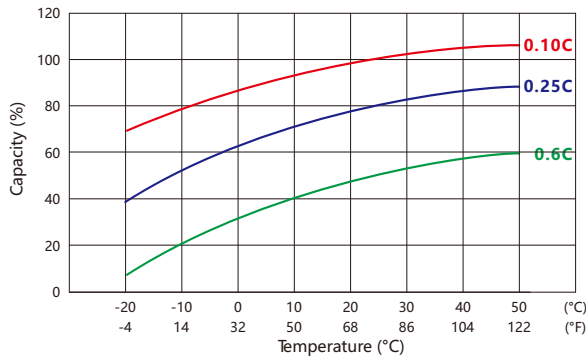
### Discharging Characteristics(25°C)



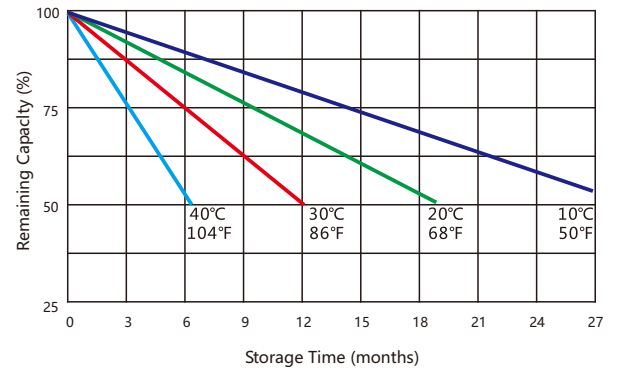
### Charging Characteristics(25°C)



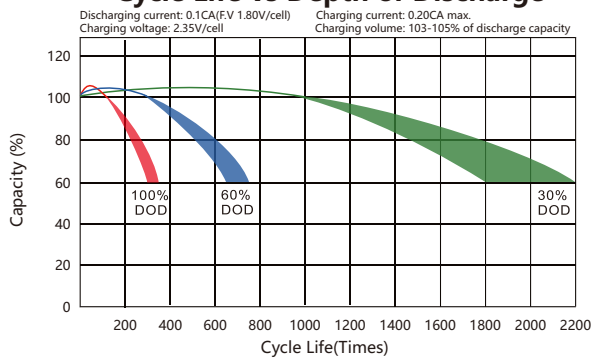
### Capacity vs Temperature



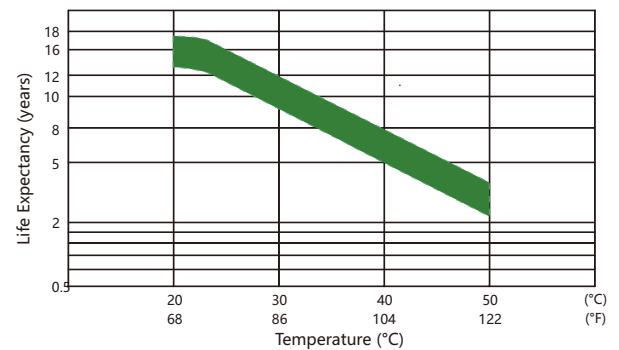
### Self-discharge vs Time



### 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