

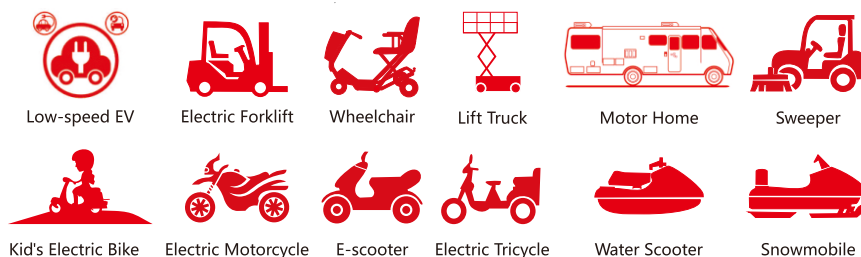
TNE 12-125 [12V125Ah]



Product Features

Deep Cycle Series	400~600 Cycle Times @100%DOD	
↑10% Energy Density Patent negative pasting formula	↓50% Grid Corrosion Rare-earth patent alloy	0% Acid stratification Nano silica gel technology

Product Applications



Physical Specification

Model	Dimensions (mm/inch)				Weight (kg/lbs)	Terminal	Container
TNE12-125	Length	Width	Height	Total Height	32.5/71.6	17	ABS UL94-HB (Optional: FR ABS UL94-V0)
	330/13.0	171/6.73	216/8.50	216/8.50			

Product Specifications

Nominal Voltage	Rated Capacity 25°C/77°F	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
12V	125Ah 20hr Rate (1.80V/cell) 113Ah 10hr Rate (1.75V/cell) 106Ah 5hr Rate (1.75V/cell) 100Ah 3hr Rate (1.75V/cell)	Discharge:-15°C~50°C (5°F~122°F) Charge:0°C~40°C (32°F~104°F) Storage:-15°C~40°C (5°F~104°F) Optimum:25°C±2°C (77°F±5°F)	40°C (104°F):106% 25°C (77°F):100% 0°C (32°F):85% -15°C (5°F):72%	Three months : 90% Six months : 80% Nine months : 60%

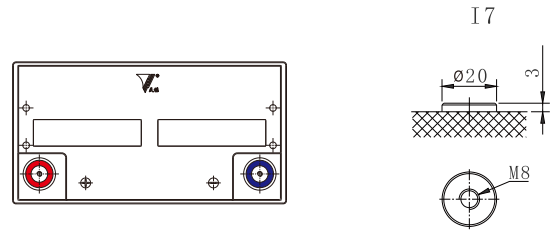
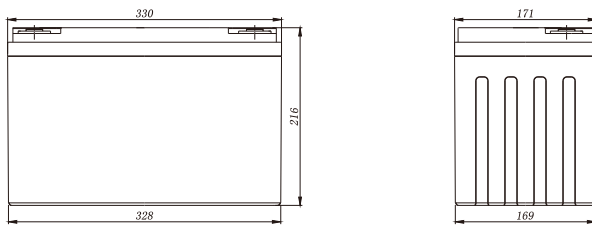
Constant Current Discharge (A)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	134	95.5	76.5	43.8	31.0	24.5	20.0	17.0	13.1	10.8	6.04
1.80V/cell	139	98.3	78.9	45.3	32.1	25.2	20.8	17.6	13.5	11.0	6.25
1.75V/cell	143	102	81.8	48.1	33.3	26.1	21.2	18.0	13.9	11.3	6.37
1.70V/cell	146	105	84.6	48.9	34.1	27.0	22.1	18.9	14.2	11.5	6.51
1.67V/cell	149	108	87.6	49.4	34.5	27.2	22.6	19.0	14.5	11.7	6.57
1.60V/cell	153	111	89.4	51.1	35.7	28.1	23.1	19.6	14.9	12.1	6.62

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

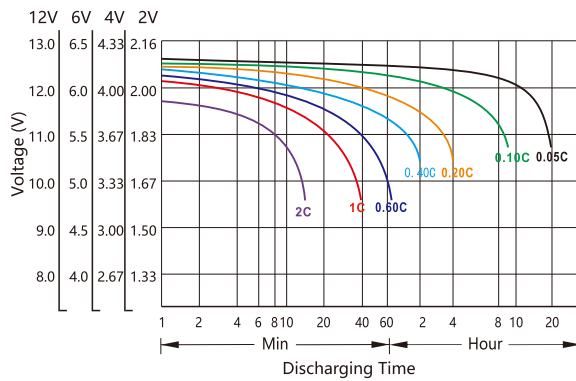
F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	262	188	151	87.2	62.1	49.3	40.3	34.4	26.6	21.8	12.3
1.80V/cell	270	193	155	89.9	64.2	50.5	41.7	35.5	27.2	22.3	12.7
1.75V/cell	276	199	161	95.3	66.3	52.1	42.5	36.1	27.9	22.7	12.9
1.70V/cell	281	203	165	96.2	67.4	53.6	44.0	37.7	28.4	23.1	13.1
1.67V/cell	285	208	170	96.7	67.8	53.8	44.7	37.6	28.8	23.3	13.1
1.60V/cell	290	213	172	99.1	69.6	54.9	45.3	38.4	29.3	23.9	13.2

Battery Dimensions(mm)

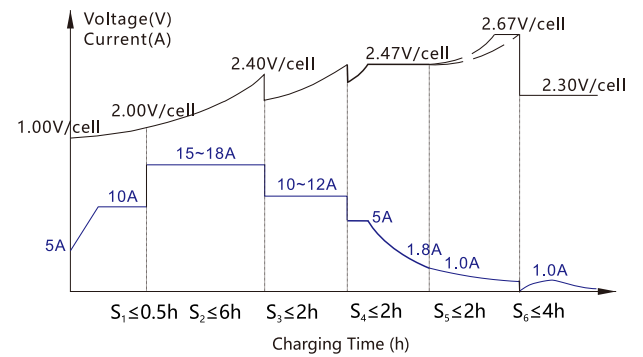


Electrical Characteristics

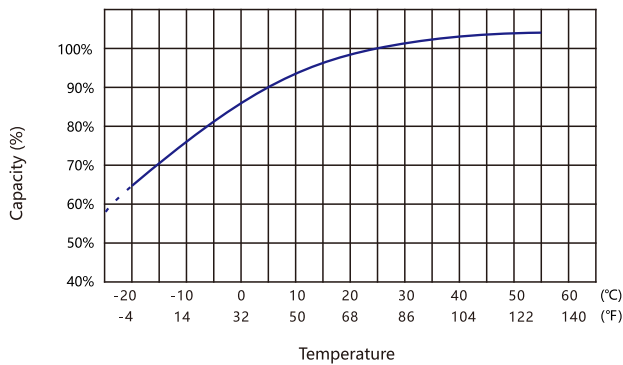
Discharging Characteristics@25°C(77°F)



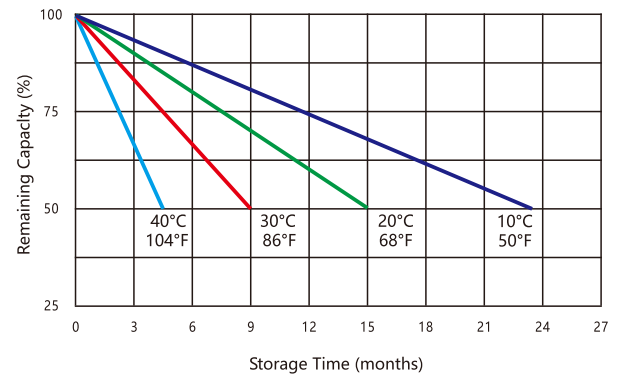
Charging Characteristics@25°C(77°F)



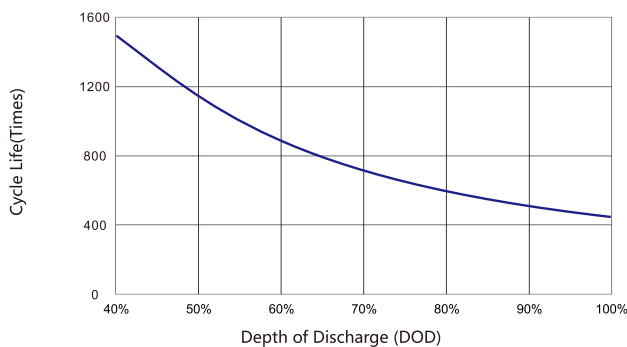
Capacity vs Temperature



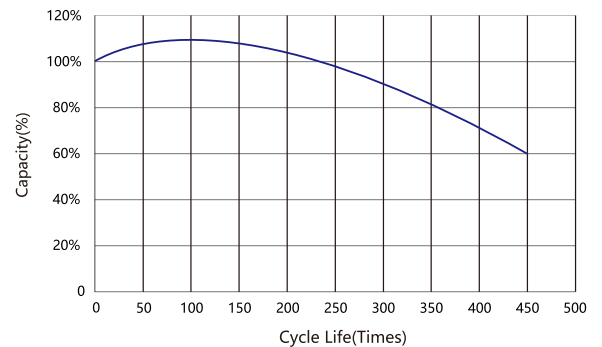
Self-discharge vs Time



Cycle Life vs Depth of Discharge@25°C(77°F)



Cycle Life vs Remaining Capacity@25°C(77°F)



Usage and Maintenance

Limited Current	Limited Voltage	Floating Voltage
Limited current: ≤0.18C ₂₀ A	14.6V~14.8V @25°C(77°F) Temp.Coefficient:-24mV/°C	13.6V~13.8V @25°C(77°F) Temp.Coefficient:-18mV/°C