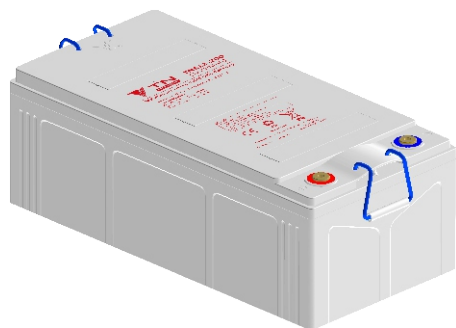


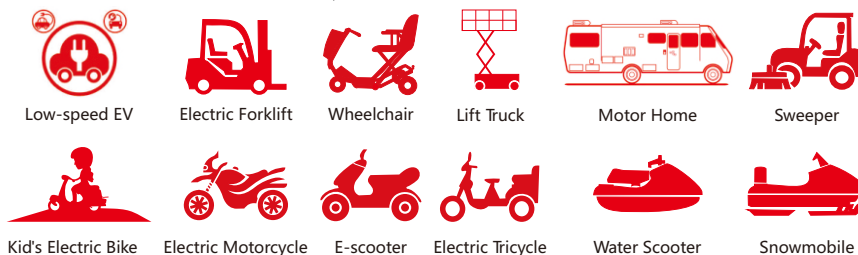
TNE 12-200 [12V200Ah]



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
TNE12-200	Length	Width	Height	Total Height	55.5/122.4	17	ABS UL94-HB (Optional: FR ABS UL94-V0)
	484/19.1	235/9.25	170/6.69	170/6.69			

Product Specifications

Nominal Voltage	Rated Capacity 25°C/77°C	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
12V	200Ah 20hr Rate (1.80V/cell) 180Ah 10hr Rate (1.75V/cell) 170Ah 5hr Rate (1.75V/cell) 160Ah 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	214.4	152.8	122.4	70.0	49.5	39.15	32.00	27.23	21.00	17.20	9.67
1.80V/cell	222.0	157.3	126.2	72.4	51.4	40.30	33.24	28.23	21.60	17.64	10.00
1.75V/cell	228.0	163.2	130.8	77.0	53.3	41.75	34.00	28.83	22.22	18.00	10.19
1.70V/cell	233.6	167.5	135.4	78.2	54.5	43.20	35.40	30.23	22.75	18.46	10.42
1.67V/cell	238.4	172.8	140.2	79.1	55.2	43.60	36.20	30.40	23.25	18.78	10.51
1.60V/cell	244.8	177.9	143.0	81.7	57.1	44.90	37.00	31.30	23.83	19.40	10.59

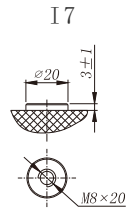
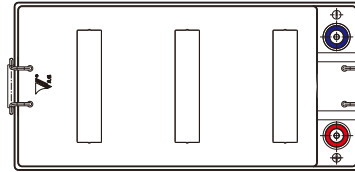
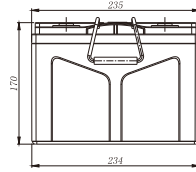
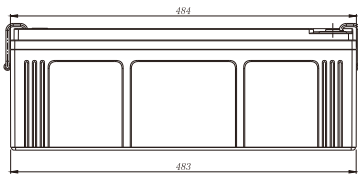
Constant Power Discharge (W/cell)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	418.8	300.5	242.1	139.6	99.3	78.8	64.6	55.0	42.54	34.89	19.69
1.80V/cell	431.9	308.3	248.6	143.8	102.7	80.8	66.7	56.9	43.59	35.66	20.27
1.75V/cell	441.9	319.1	257.1	152.5	106.1	83.3	68.0	57.8	44.67	36.25	20.59
1.70V/cell	450.4	325.0	264.4	153.9	107.9	85.7	70.4	60.2	45.50	36.98	20.95
1.67V/cell	456.0	332.9	272.2	154.8	108.5	86.0	71.6	60.2	46.11	37.36	21.01
1.60V/cell	464.3	340.2	274.9	158.5	111.3	87.8	72.5	61.5	46.94	38.29	21.13

TNE 12-200 [12V200Ah]

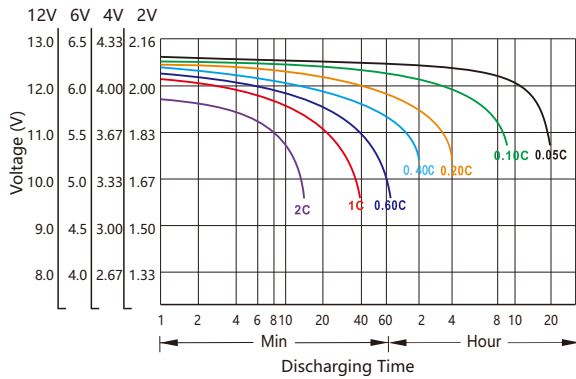


Battery Dimensions(mm)

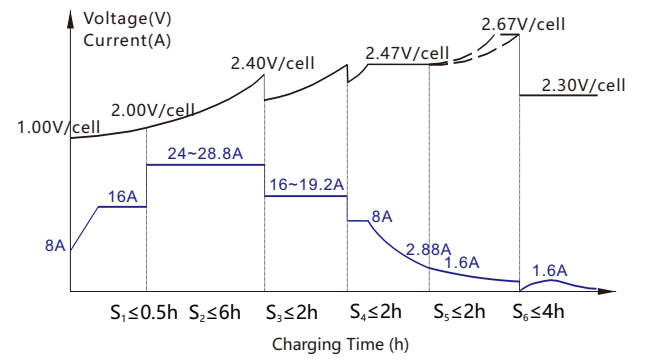


Electrical Characteristics

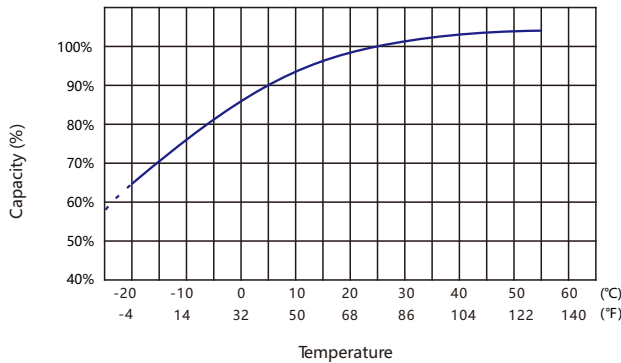
Discharging Characteristics@25°C(77°F)



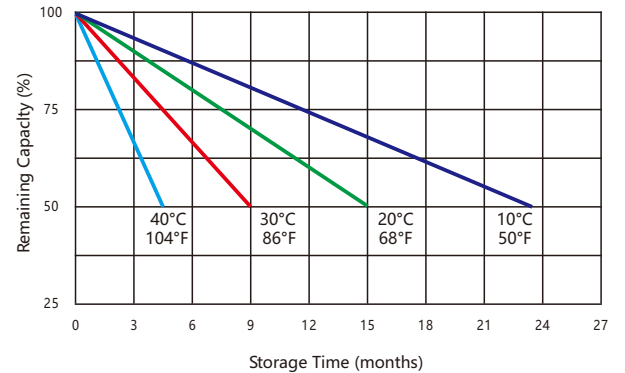
Charging Characteristics@25°C(77°F)



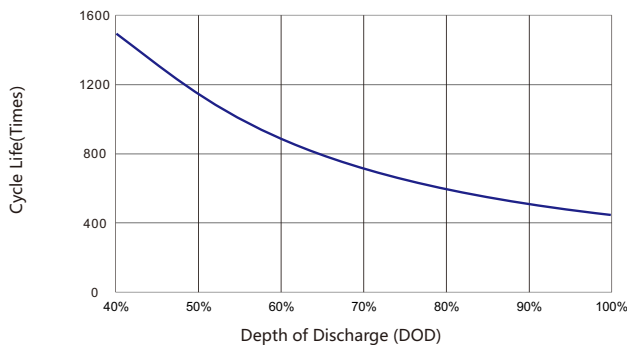
Capacity vs Temperature



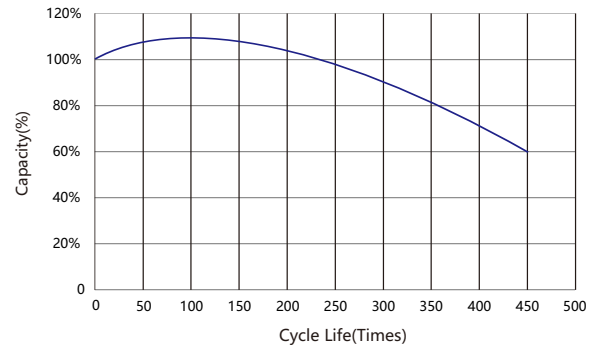
Self-discharge vs Time



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 current: $\leq 0.2C_5A$

Limited Voltage

14.4V~14.8V@25°C(77°F)
Temp.Coefficient:-24mV/°C

Floating Voltage

13.5V~13.8V@25°C(77°F)
Temp.Coefficient:-18mV/°C