

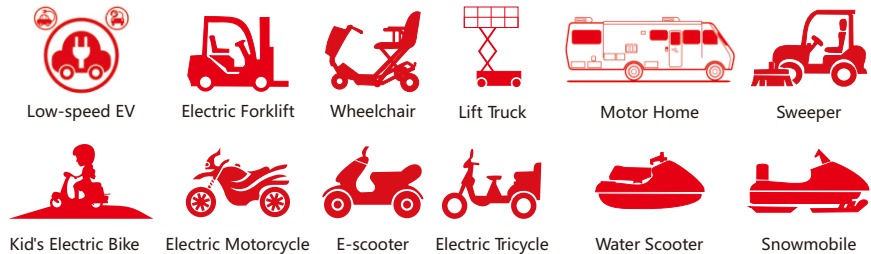
TNE 6-245 [6V245Ah]



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
TNE6-245	Length	Width	Height	Total Height	32.5/71.7	17	ABS UL94-HB (Optional: FR ABS UL94-V0)
	243/9.57	188/7.40	275/10.8	275/10.8			

Product Specifications

Nominal Voltage	Rated Capacity 25°C/77°C	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
6V	245Ah 20hr Rate (1.80V/cell) 217Ah 10hr Rate (1.75V/cell) 204Ah 5hr Rate (1.75V/cell) 190Ah 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	262.6	187.2	149.9	85.8	58.8	46.81	38.37	32.74	25.33	20.80	11.85
1.80V/cell	272.0	192.7	154.6	88.7	61.0	48.14	39.87	33.94	26.03	21.31	12.25
1.75V/cell	279.3	199.9	160.2	94.3	63.3	49.88	40.72	34.62	26.78	21.72	12.48
1.70V/cell	286.2	205.1	165.9	95.8	64.8	51.70	42.51	36.42	27.42	22.29	12.76
1.67V/cell	292.0	211.7	171.7	96.9	65.6	52.16	43.53	36.59	28.06	22.69	12.87
1.60V/cell	299.9	217.9	175.2	100.1	67.8	53.72	44.47	37.71	28.76	23.48	12.97

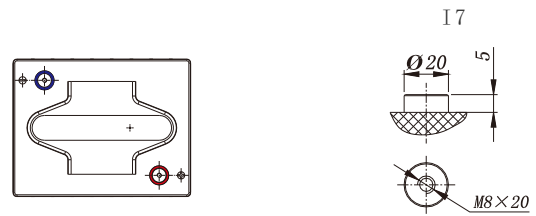
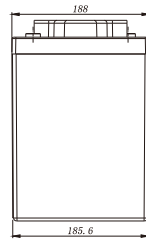
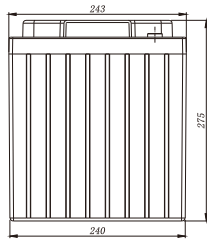
Constant Power Discharge (W/cell)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	513.0	368.2	296.5	171.0	118.0	94.2	77.4	66.1	51.32	42.19	24.12
1.80V/cell	529.1	377.7	304.6	176.2	121.9	96.5	80.0	68.4	52.53	43.09	24.83
1.75V/cell	541.3	390.8	314.9	186.8	126.0	99.6	81.5	69.4	53.83	43.75	25.22
1.70V/cell	551.7	398.1	323.9	188.6	128.1	102.6	84.6	72.6	54.83	44.65	25.67
1.67V/cell	558.6	407.8	333.4	189.6	128.9	102.9	86.0	72.4	55.65	45.14	25.74
1.60V/cell	568.7	416.8	336.8	194.2	132.2	105.1	87.2	74.1	56.67	46.35	25.88

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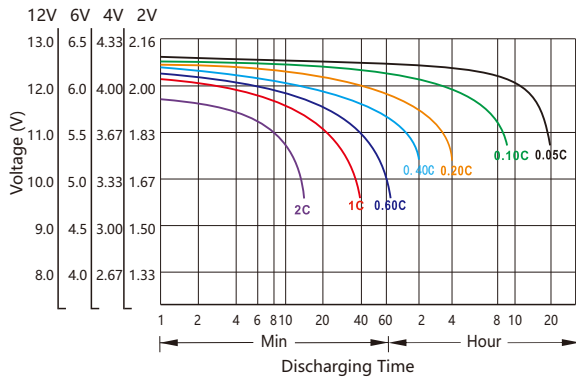


Battery Dimensions(mm)

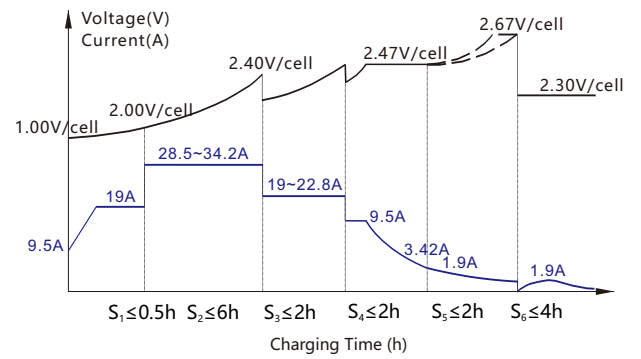


Electrical Characteristics

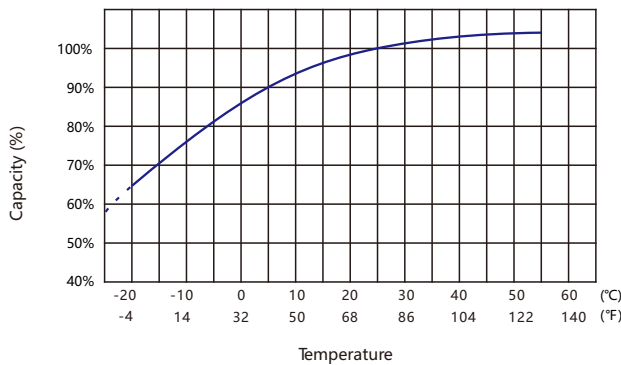
Discharging Characteristics@25°C(77°F)



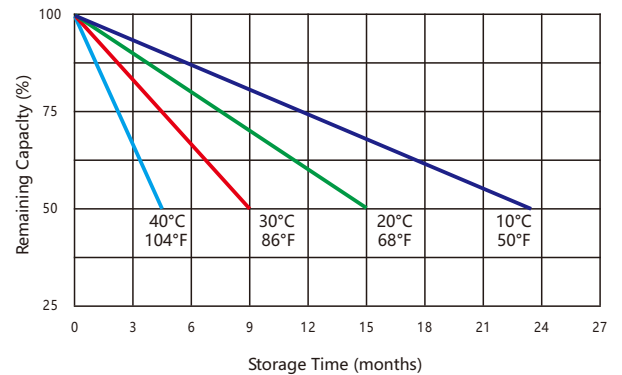
Charging Characteristics@25°C(77°F)



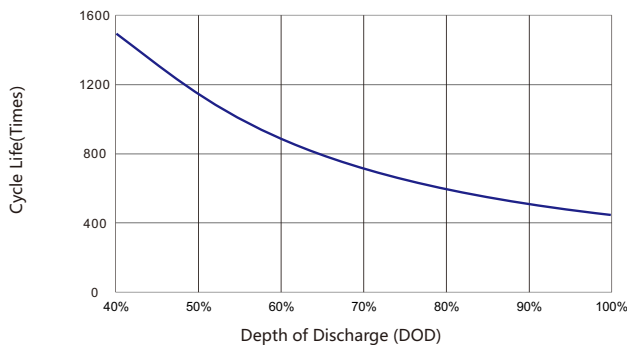
Capacity vs Temperature



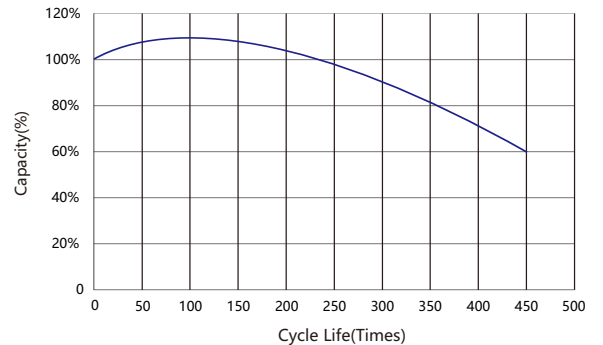
Self-discharge vs Time



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: $\leq 0.2C_3A$

Limited Voltage

7.2V~7.4V@25°C(77°F)
Temp.Coefficient:-12mV/°C

Floating Voltage

6.75V~6.90V@25°C(77°F)
Temp.Coefficient:-9mV/°C