

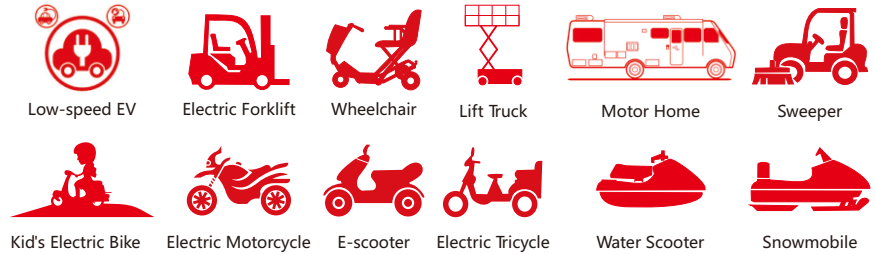
TNE 12-65 [12V65Ah]



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
TNE12-65	Length	Width	Height	Total Height	16.3/35.9	I12	ABS UL94-HB (Optional: FR ABS UL94-V0)
	224/8.82	150/5.91	178/7.01	178/7.01			

Product Specifications

Nominal Voltage	Rated Capacity ^{25°C/77°C}	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
12V	65Ah 20hr Rate (1.80V/cell) 62Ah 10hr Rate (1.75V/cell) 60Ah 5hr Rate (1.75V/cell) 58Ah 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	69.8	49.7	39.8	22.8	18.0	13.9	11.2	9.48	7.23	5.86	3.15
1.80V/cell	72.3	51.2	41.1	23.6	18.6	14.3	11.7	9.83	7.45	6.04	3.26
1.75V/cell	74.2	53.1	42.6	25.1	19.3	14.8	12.0	10.1	7.67	6.18	3.32
1.70V/cell	76.0	54.5	44.1	25.5	19.8	15.3	12.4	10.4	7.85	6.33	3.39
1.67V/cell	77.6	56.2	45.6	25.7	20.0	15.4	12.6	10.5	7.98	6.42	3.42
1.60V/cell	79.7	57.9	46.5	26.6	20.7	15.9	12.9	10.8	8.17	6.59	3.45

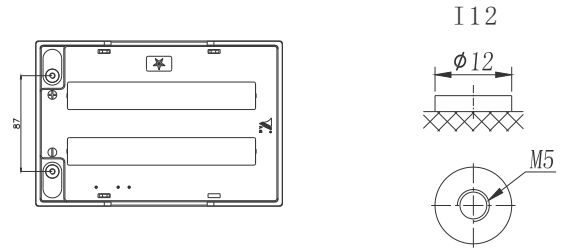
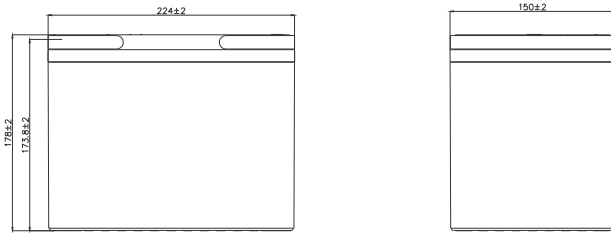
Constant Power Discharge (W/cell)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	136.3	97.8	78.8	45.4	36.0	27.9	22.7	19.1	14.6	11.9	6.41
1.80V/cell	140.6	100.4	80.9	46.8	37.2	28.7	23.4	19.8	15.0	12.2	6.60
1.75V/cell	143.8	103.9	83.7	49.6	38.5	29.6	24.0	20.2	15.4	12.4	6.70
1.70V/cell	146.6	105.8	86.1	50.1	39.1	30.3	24.6	20.8	15.7	12.7	6.82
1.67V/cell	148.4	108.4	88.6	50.4	39.3	30.4	24.9	20.8	15.8	12.8	6.84
1.60V/cell	151.1	110.7	89.5	51.6	40.4	31.1	25.3	21.2	16.1	13.0	6.88

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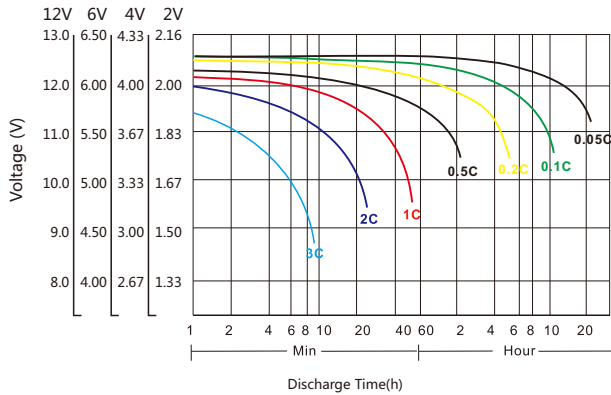


Battery Dimensions(mm)

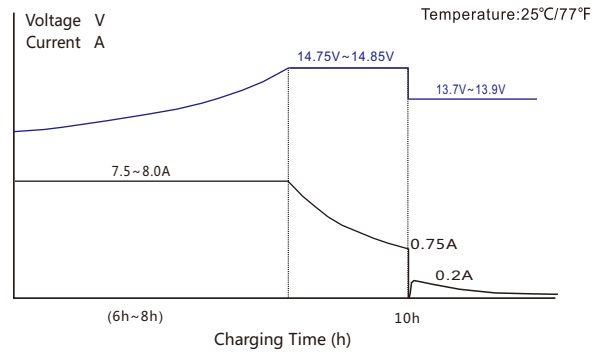


Electrical Characteristics

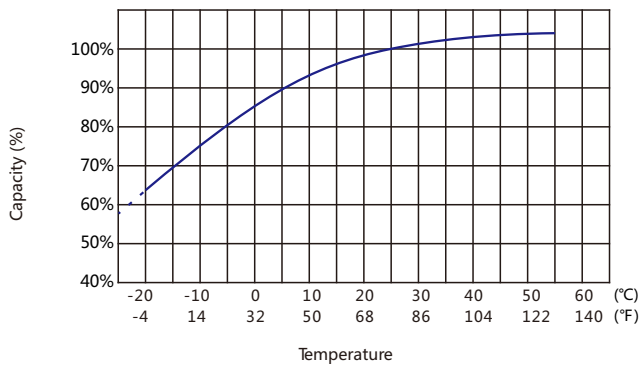
Discharging Characteristics@25°C(77°F)



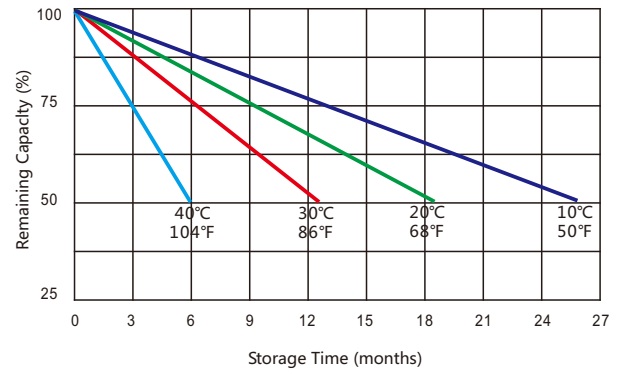
Charging Characteristics@25°C(77°F)



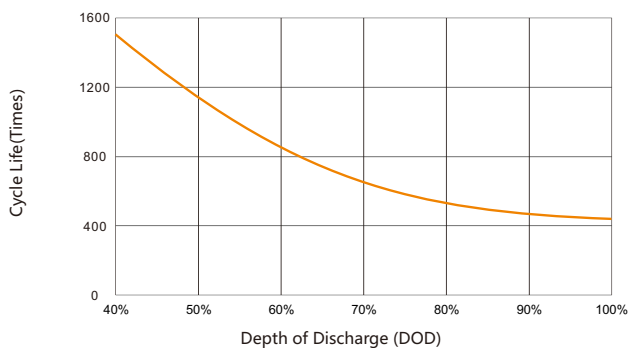
Capacity vs Temperature



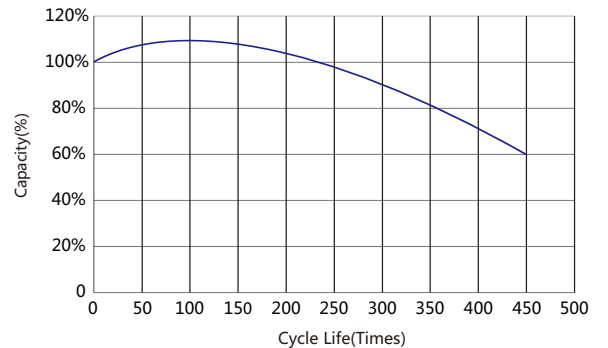
Self-discharge vs Time



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 : $\leq 0.12CA$

Limited Voltage

14.75V~14.85V@25°C(77°F)
Temp.Coefficient:-24mV/°C

Floating Voltage

13.7V~13.9V@25°C(77°F)
Temp.Coefficient:-18mV/°C