

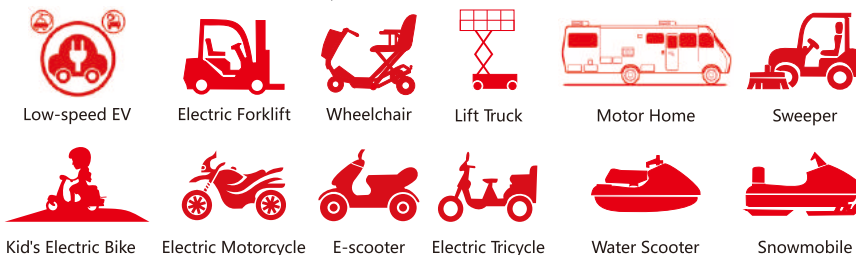
EVEREST TNE 12-40 (12V-34AH/C5)



Product Features

Deep Cycle Series		400~600 Cycle Times @100%DOD	
↑10% Energy Density Patent negative pasting formula	↑15% Capacity@-15°C Special premixed additive	↓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
TNE12-40	Length	Width	Height	Total Height	11.1/24.5	I1	ABS UL94-HB (Optional: FR ABS UL94-V0)
	195/7.68	130/5.12	157.5/6.20	162/6.38			

Product Specifications

Nominal Voltage	Rated Capacity 25°C/77°F	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
12V	40Ah 20hr Rate (1.80V/cell) 38.8Ah 10hr Rate (1.75V/cell) 35.2Ah 5hr Rate (1.75V/cell) 33Ah 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±3°C (77°F±5°F)	40°C (104°F):106% 25°C (77°F):100% 0°C (32°F):85% -15°C (5°F):65%	Three months : 90% Six months : 80% Nine months : 60%

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

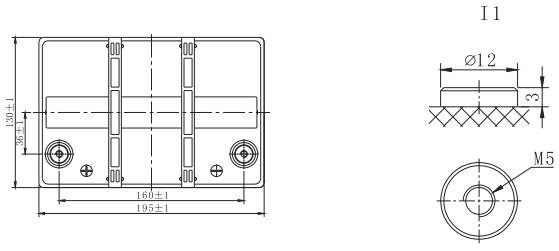
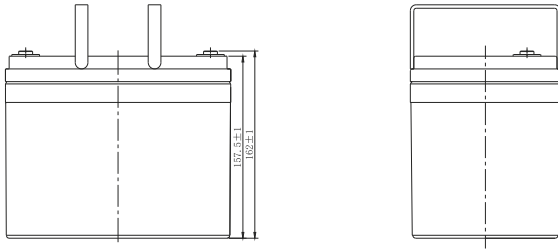
F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	49.2	35.3	27.3	14.9	10.4	8.08	6.68	5.73	4.48	3.71	1.96
1.80V/cell	50.8	36.5	28.4	15.3	10.7	8.33	6.86	5.87	4.60	3.79	2.00
1.75V/cell	52.6	37.8	29.3	15.7	11.0	8.55	7.04	6.02	4.72	3.88	2.04
1.70V/cell	54.6	39.0	30.2	16.1	11.3	8.78	7.24	6.18	4.84	3.96	2.08
1.67V/cell	56.2	40.1	31.0	16.6	11.6	9.03	7.45	6.36	4.96	4.05	2.13
1.60V/cell	58.1	41.4	32.0	17.1	11.9	9.27	7.65	6.52	5.07	4.14	2.17

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	95.1	68.8	53.5	29.3	20.6	16.1	13.3	11.4	8.96	7.43	3.94
1.80V/cell	97.1	70.7	55.2	29.9	21.1	16.5	13.6	11.7	9.17	7.57	4.00
1.75V/cell	99.8	72.6	56.7	30.7	21.6	16.9	13.9	11.9	9.38	7.73	4.08
1.70V/cell	102.8	74.5	58.3	31.4	22.1	17.3	14.3	12.2	9.59	7.89	4.16
1.67V/cell	105.1	76.2	59.6	32.1	22.6	17.7	14.6	12.5	9.81	8.05	4.24
1.60V/cell	107.7	78.1	61.0	32.9	23.1	18.0	15.0	12.8	10.0	8.21	4.32

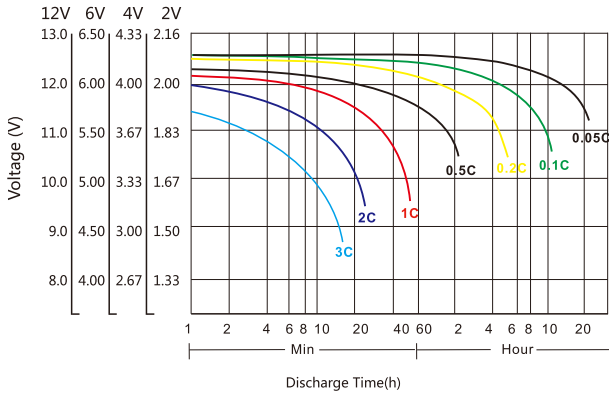
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Battery Dimensions(mm)

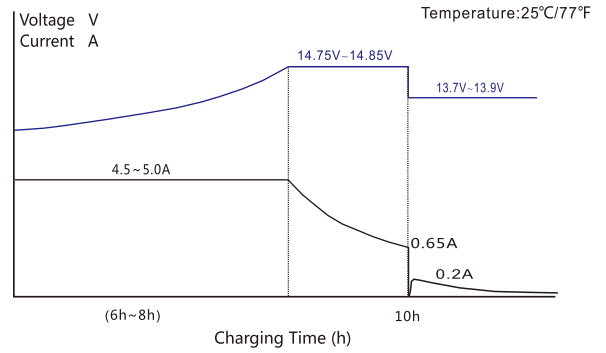


Electrical Characteristics

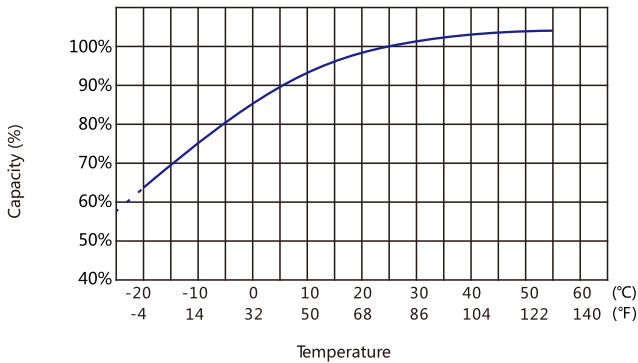
Discharge Characteristics(25°C)



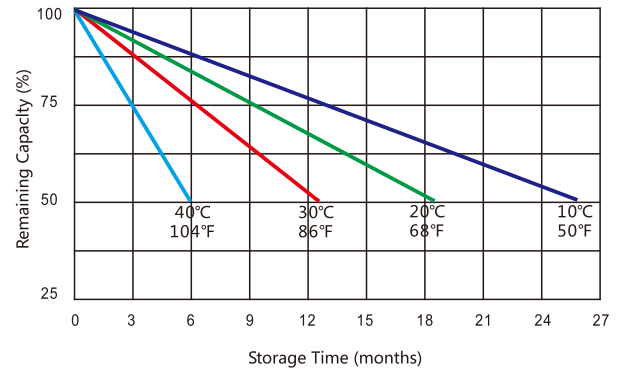
Charging Characteristics(25°C)



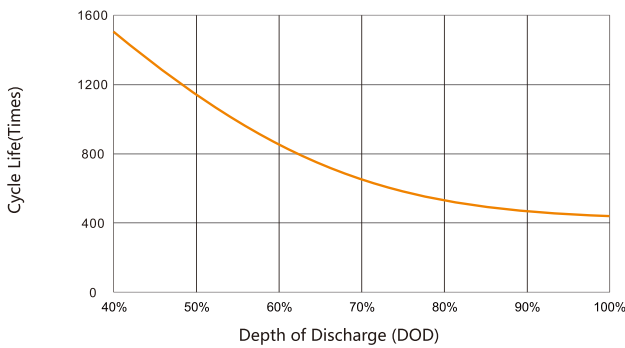
Capacity vs Temperature



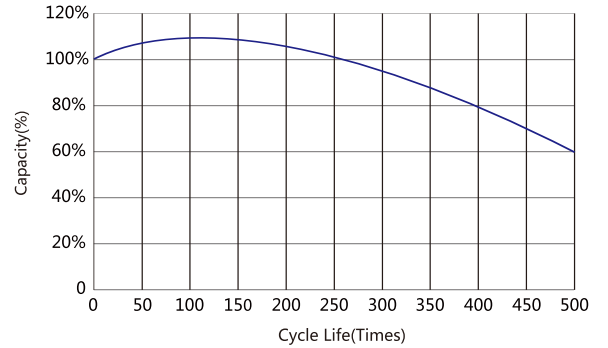
Self-discharge vs Time



Cycle Life vs Depth of Discharge



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



Usage and Maintenance

Limited Current	Limited Voltage	Limited Voltage
Limited current : $\leq 0.2CA$	14.4V~14.8V@25°C(77°F) Temp.Coefficient:-24mV/°C	13.5V~13.8V@25°C(77°F) Temp.Coefficient:-18mV/°C