



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 Specifications

Model	Dimensions (mm/inch)				Weight (±2%kg/lbs)	Terminal	Container
TNE12-26	Length	Width	Height	Total Height	6.8/15.0	I10	ABS UL94-HB (Optional: FR ABS UL94-V0)
	189/7.44	100/3.94	127/5.00	130/5.12			

Product Specifications

Nominal Voltage	Rated Capacity ^{25°C/77°C}	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
12V	26Ah 20hr Rate (1.80V/cell) 24.0Ah 10hr Rate (1.75V/cell) 22.9Ah 5hr Rate (1.75V/cell) 21.0Ah 2hr 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%

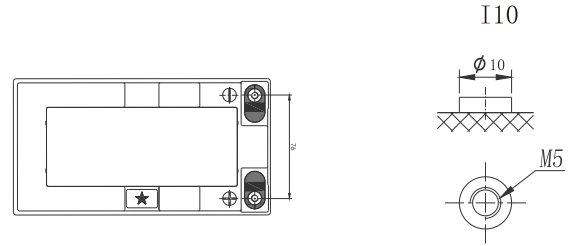
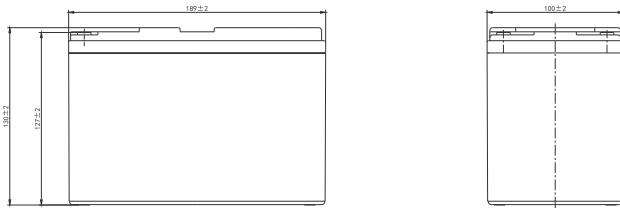
Constant Current Discharge (A)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	29.3	20.9	16.6	9.56	6.57	4.97	4.11	3.50	2.78	2.30	1.26
1.80V/cell	30.3	21.5	17.1	9.88	6.71	5.13	4.28	3.63	2.85	2.36	1.30
1.75V/cell	31.1	22.3	17.7	10.5	7.06	5.36	4.57	3.81	2.93	2.40	1.32
1.70V/cell	31.9	22.9	18.3	10.7	7.21	5.49	4.59	3.89	3.00	2.47	1.35
1.67V/cell	32.6	23.6	19.0	10.8	7.32	5.64	4.77	3.98	3.08	2.51	1.37
1.60V/cell	33.5	24.3	19.3	11.1	7.58	5.80	4.81	4.08	3.16	2.60	1.38

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

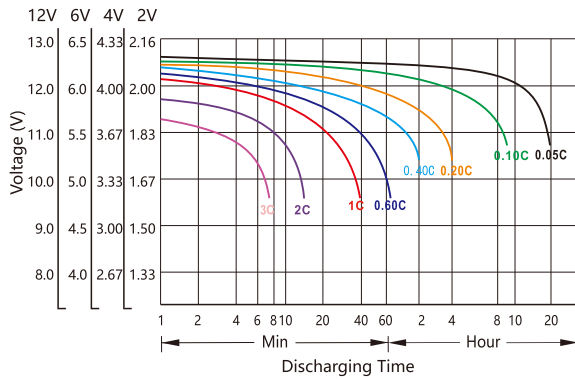
F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	57.2	41.1	32.8	19.1	13.2	10.0	8.28	7.07	5.63	4.66	2.56
1.80V/cell	58.9	42.1	33.6	19.6	13.4	10.3	8.60	7.31	5.76	4.76	2.64
1.75V/cell	60.4	43.6	34.8	20.8	14.1	10.7	9.15	7.64	5.90	4.84	2.68
1.70V/cell	61.6	44.4	35.7	21.0	14.3	10.9	9.13	7.75	6.01	4.94	2.72
1.67V/cell	62.4	45.5	36.8	21.1	14.4	11.1	9.43	7.88	6.10	4.99	2.73
1.60V/cell	63.5	46.4	37.1	21.6	14.8	11.3	9.43	8.01	6.22	5.13	2.74

Battery Dimensions(mm)

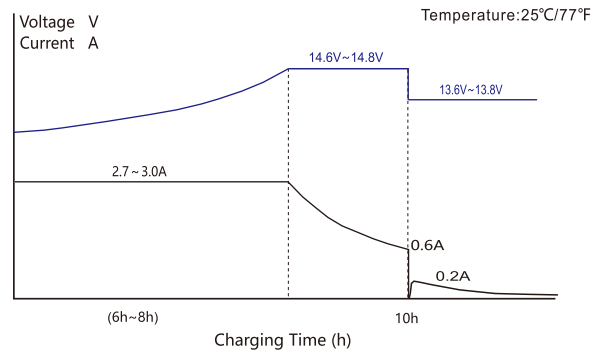


Electrical Characteristics

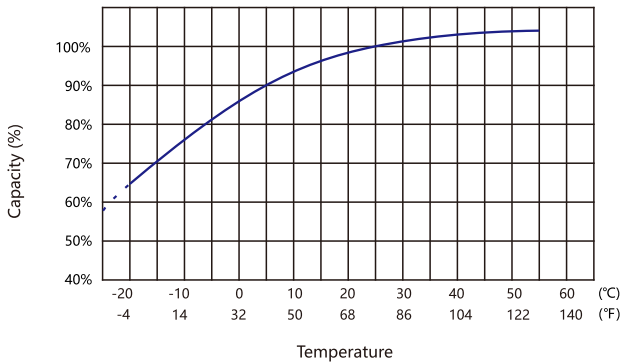
Discharging Characteristics@25°C(77°F)



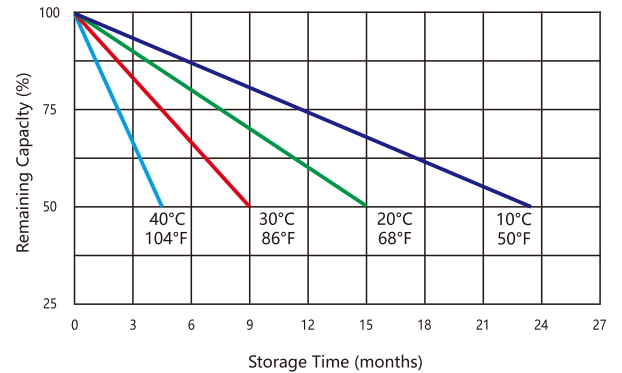
Charging Characteristics@25°C(77°F)



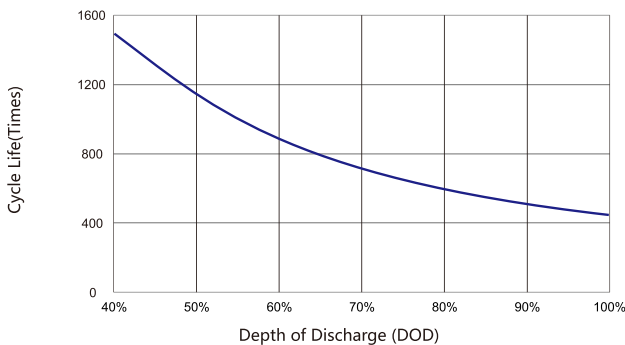
Capacity vs Temperature



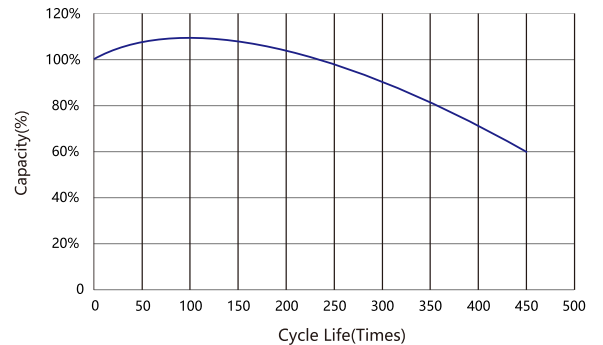
Self-discharge vs Time



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: $\leq 0.15C_A$

Limited Voltage

14.6V~14.8V@25°C(77°F)
Temp.Coefficient:-24mV/°C

Floating Voltage

13.6V~13.8V@25°C(77°F)
Temp.Coefficient:-18mV/°C