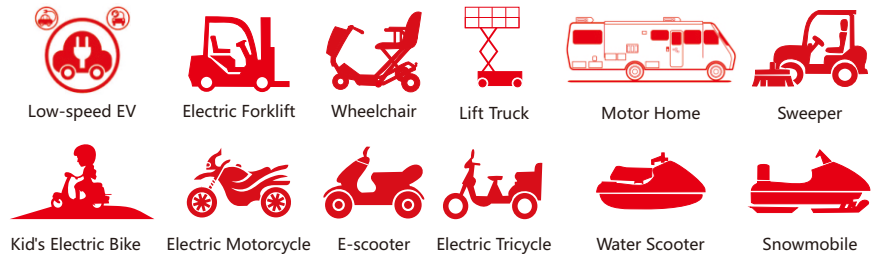




Product Features

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 (±2mm/inch)				Weight (±2%kg/lbs)	Terminal	Container
	Length	Width	Height	Total Height			
TNE8-190	262/10.3	182/7.17	280/11.0	280/11.0	36/79.4	17	ABS UL94-HB (Optional: FR ABS UL94-V0)

Product Specifications

Nominal Voltage	Rated Capacity 25°C/77°F	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
8V	190Ah 20hr Rate (1.80V/cell) 173Ah 10hr Rate (1.75V/cell) 164Ah 5hr Rate (1.75V/cell) 155Ah 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):65%	Three months : 90% Six months : 80% Nine months : 60%

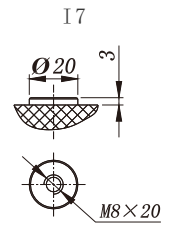
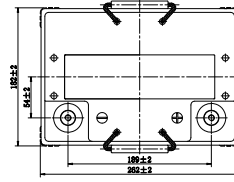
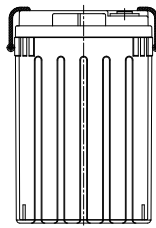
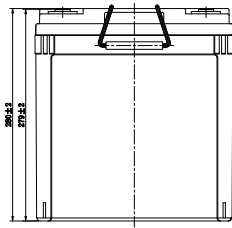
Constant Current Discharge (A)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	204	145	116	66.5	48.0	37.8	30.8	26.2	20.1	16.5	9.19
1.80V/cell	211	149	120	68.8	49.8	38.9	32.0	27.1	20.7	16.9	9.50
1.75V/cell	217	155	124	73.2	51.7	40.3	32.8	27.7	21.3	17.3	9.68
1.70V/cell	222	159	129	74.3	52.8	41.6	34.1	29.0	21.8	17.7	9.90
1.67V/cell	226	164	133	75.1	53.5	42.0	34.8	29.2	22.3	18.0	9.98
1.60V/cell	233	169	136	77.6	55.3	43.3	35.6	30.1	22.8	18.6	10.1

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

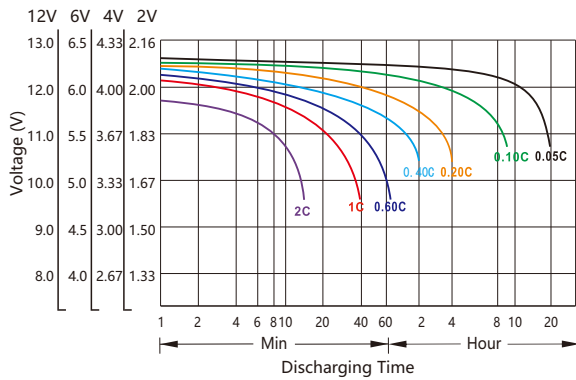
F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	398	286	230	133	96.2	76.0	62.2	52.9	40.8	33.41	18.7
1.80V/cell	410	293	236	137	99.5	78.0	64.3	54.7	41.8	34.2	19.3
1.75V/cell	420	303	244	145	103	80.4	65.6	55.6	42.9	34.8	19.6
1.70V/cell	428	309	251	146	105	82.6	67.8	57.8	43.7	35.5	19.9
1.67V/cell	433	316	259	147	105	82.9	68.8	57.8	44.2	35.8	20.0
1.60V/cell	441	323	261	151	108	84.7	69.7	59.0	45.0	36.7	20.1

Battery Dimensions(mm)

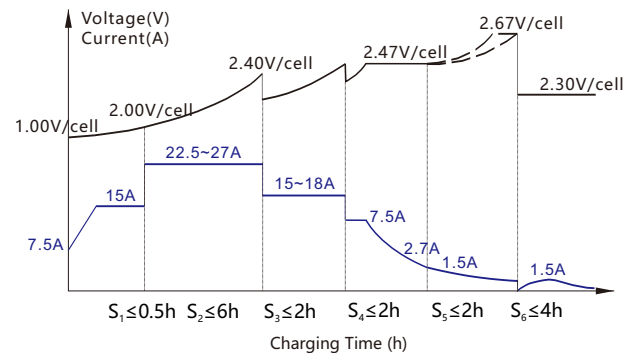


Electrical Characteristics

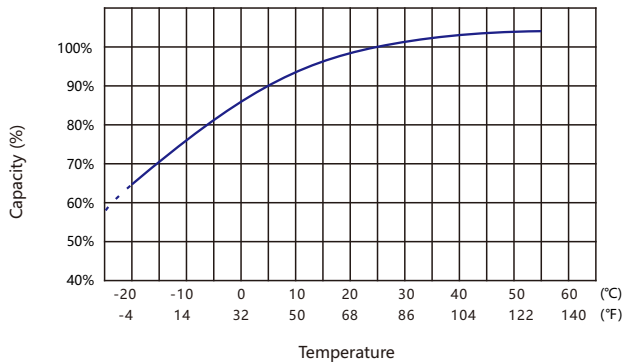
Discharging Characteristics@25°C(77°F)



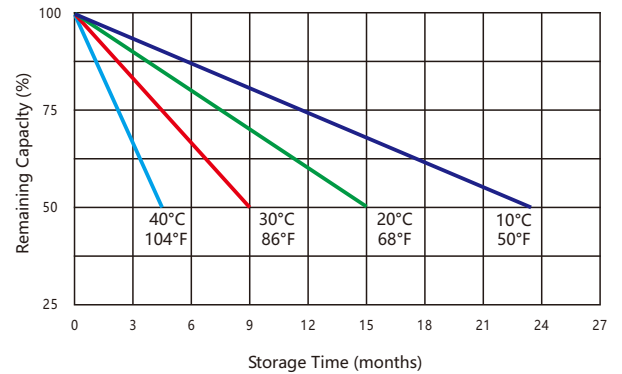
Charging Characteristics@25°C(77°F)



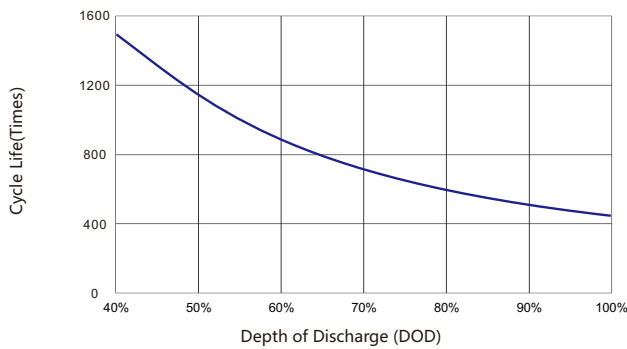
Capacity vs Temperature



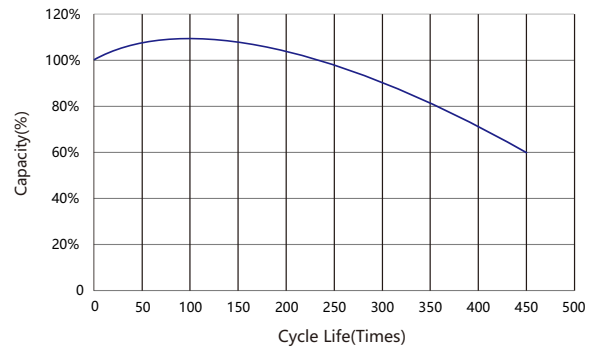
Self-discharge vs Time



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: ≤0.2C₅A

Limited Voltage

9.60V~9.87V@25°C(77°F)
Temp.Coefficient:-16mV/°C

Floating Voltage

9.00V~9.20V@25°C(77°F)
Temp.Coefficient:-12mV/°C