

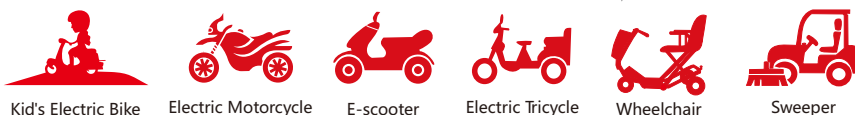
TNEP 12-66[12V66Ah]



Product Features

Deep Cycle Long Life Series 400~600 Cycle Times @100%DOD		
↑10% Capacity Improve the content and utilization of active substances, Direct Bar-welding	Carbon Fiber	Rare-earth alloy
	↑15% Discharge Power Discharge Power Positive Carbon Fiber	↓50% Grid Corrosion Rare-earth patent alloy

Product Applications



Physical Specification

Model	Dimensions (mm/inch)				Weight (kg/lbs)	Terminal	Container
TNEP12-66	Length	Width	Height	Total Height	18.2/40.1	I3	ABS UL94-HB (Optional: FR ABS UL94-V0)
	229/9.02	138.5/5.45	211/8.31	216/8.50			

Product Specifications

Nominal Voltage	Rated Capacity 25°C/77°C	Operating Temp. Range	Capacity Effected Temp	Capacity vs Storage Time
12V	66Ah 20hr Rate (1.80V/cell) 61Ah 10hr Rate (1.75V/cell) 59Ah 5hr Rate (1.75V/cell) 56Ah 3hr Rate (1.75V/cell)	Discharge: -15~50°C (5~122°F) Charge: 0~40°C (32~104°F) Storage: -15~40°C (5~104°F) Optimum: 25±3°C (77±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	67.2	47.9	38.4	21.9	17.3	13.5	11.0	9.32	7.14	5.82	3.19
1.80V/cell	69.6	49.3	39.6	22.7	18.0	14.0	11.4	9.66	7.36	5.98	3.30
1.75V/cell	71.5	51.2	41.0	24.1	18.7	14.4	11.7	9.89	7.57	6.11	3.36
1.70V/cell	73.2	52.5	42.4	24.5	19.1	14.9	12.1	10.3	7.75	6.27	3.44
1.68V/cell	74.7	54.2	44.0	24.8	19.3	15.1	12.4	10.4	7.90	6.36	3.47
1.60V/cell	76.7	55.8	44.8	25.6	20.0	15.5	12.7	10.7	8.09	6.55	3.49

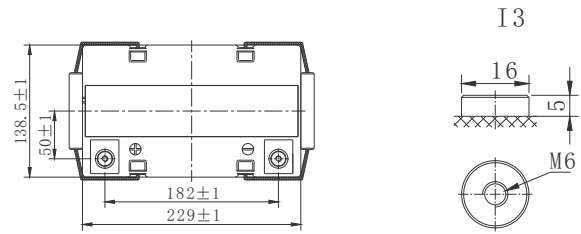
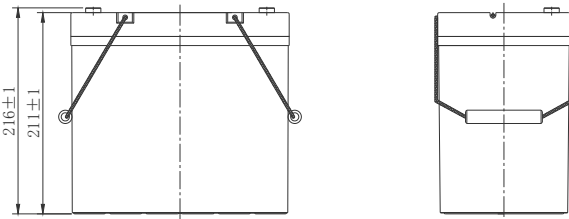
Constant Power Discharge (W/cell)@25°C (77°F)

F.V/Time	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	131	94.2	75.9	43.8	34.8	27.2	22.2	18.8	14.5	11.8	6.50
1.80V/cell	135	96.7	77.9	45.1	35.9	28.0	22.9	19.5	14.8	12.1	6.69
1.75V/cell	139	100	80.6	47.8	37.1	28.8	23.4	19.8	15.2	12.3	6.79
1.70V/cell	141	102	82.9	48.3	37.8	29.6	24.2	20.5	15.5	12.6	6.91
1.68V/cell	143	104	85.3	48.5	38.0	29.7	24.5	20.5	15.7	12.7	6.93
1.60V/cell	146	107	86.2	49.7	39.0	30.3	24.8	21.0	15.9	12.9	6.97

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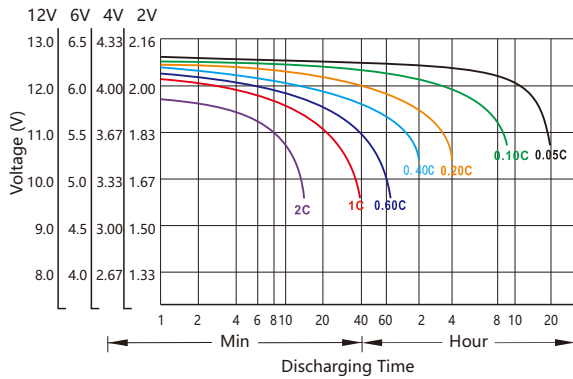


Battery Dimensions(mm)

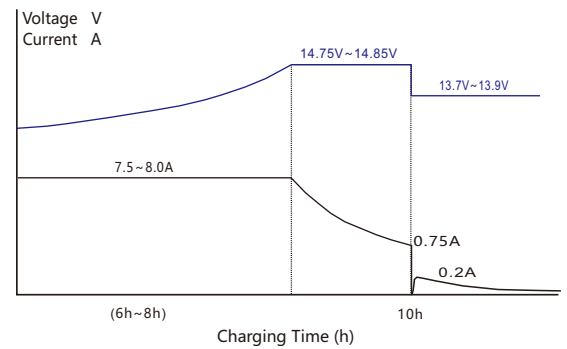


Electrical Characteristics

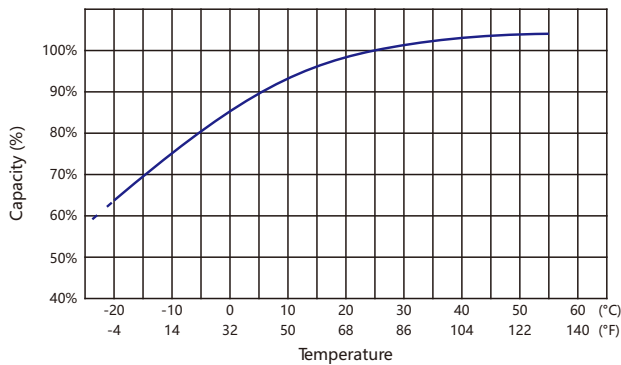
Discharging Characteristics@25°C(77°F)



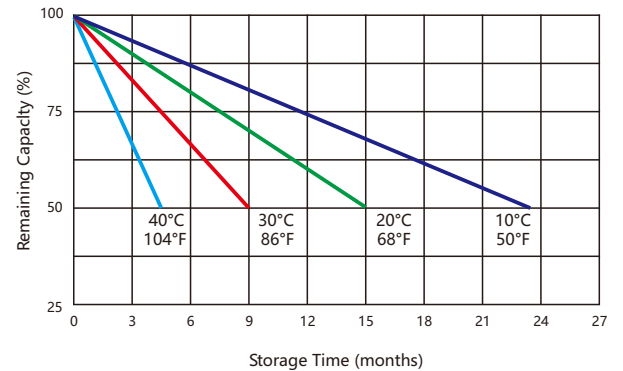
Charging Characteristics (25°C)



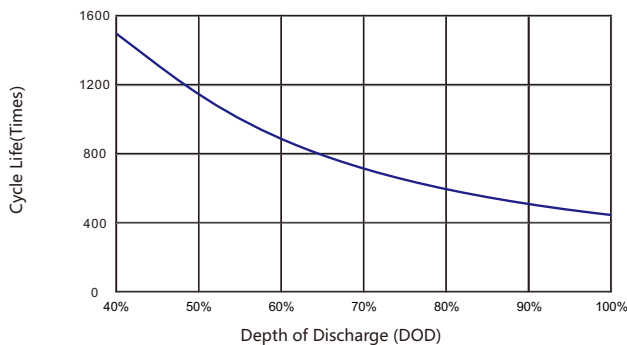
Capacity vs Temperature



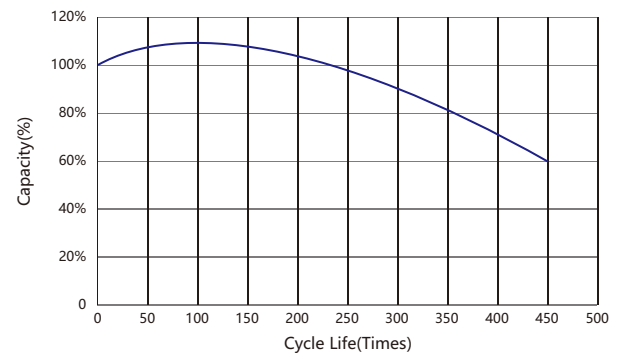
Self-discharge vs Time



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 Voltage	Limited Voltage
Limited current: $\leq 0.2C_3A$	14.75~14.85V@25°C(77°F) Temp.Coefficient: -24mV/°C	13.7~13.9V@25°C(77°F) Temp.Coefficient: -18mV/°C