

DATA SHEET
NE 1225

MODEL : NE 1225
VOLTAGE : 12
MATERIAL : Polypropylene
DIMENSIONS : Millimetres (mm)
NUMBER OF CYCLES : 400~600 @ 100%DOD
BATTERY : EV Battery
ENERGY DENSITY : ↑10%
GRID CORROSION : ↓50%
ACID SATISFACTION : 0%


12 VOLT
PHYSICAL SPECIFICATIONS

MODEL	DIMENSIONS (MM/INCH)				WEIGHT (KG/LBS)	TERMINAL	CONTAINER
	L	W	H	Total Height			
TNE12-25	181/7.13	77/3.03	169/6.65	170/6.69	6.10/13.4	I10	ABS UL94-HB (Optional: FR ABS UL94-V0)

PRODUCT SPECIFICATIONS

NOMINAL VOLTAGE	RATED CAPACITY 25°C/77°C	OPREATING TEMP.RANGE	CAPACITY EFFECTED TEMP	CAPACITY VS STORAGE TIME
12V	25Ah 20hr Rate (1.80V/cell) 22.0Ah 10hr Rate (1.75V/cell) 21.5Ah 5hr Rate (1.75V/cell) 20.0Ah 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)

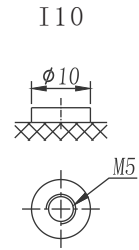
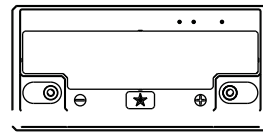
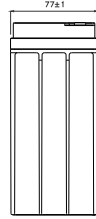
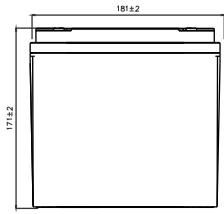
F.V/TIME	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	26.7	19.1	15.1	8.65	6.06	4.68	3.89	3.31	2.58	2.10	1.15
1.80V/cell	27.6	19.6	15.6	8.94	6.19	4.83	4.04	3.44	2.65	2.16	1.25
1.75V/cell	28.5	20.4	16.2	10.0	6.73	5.06	4.29	3.61	2.73	2.20	1.21
1.70V/cell	29.2	20.9	16.7	10.1	6.80	5.18	4.33	3.68	2.79	2.26	1.24
1.67V/cell	29.8	21.6	17.3	10.2	6.90	5.31	4.46	3.76	2.86	2.30	1.25
1.60V/cell	30.6	22.2	17.6	10.5	7.14	5.46	4.52	3.85	2.93	2.37	1.26

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	52.2	37.6	29.9	17.2	12.1	9.43	7.84	6.69	5.23	4.27	2.34
1.80V/cell	53.8	38.4	30.7	17.8	12.4	9.69	8.12	6.92	5.35	4.36	2.53
1.75V/cell	55.1	39.9	31.8	19.8	13.4	10.1	8.59	7.23	5.48	4.43	2.44
1.70V/cell	56.2	40.6	32.6	19.8	13.5	10.3	8.62	7.33	5.59	4.52	2.49
1.67V/cell	57.0	41.6	33.6	19.9	13.6	10.5	8.82	7.44	5.66	4.57	2.49
1.60V/cell	58.0	42.4	33.9	20.4	13.9	10.7	8.86	7.56	5.77	4.68	2.51

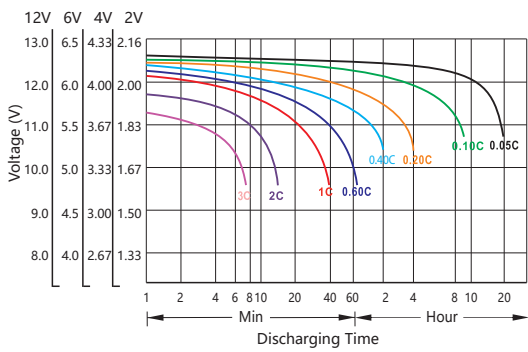


BATTERY DIMENSIONS (mm)

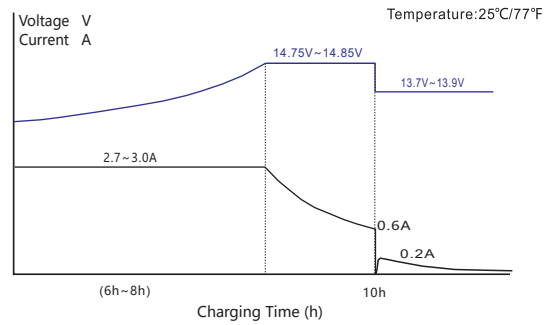


ELECTRICAL CHARACTERISTICS

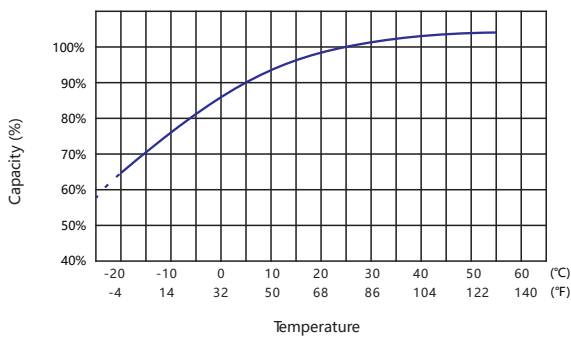
Discharging Characteristics@25°C(77°F)



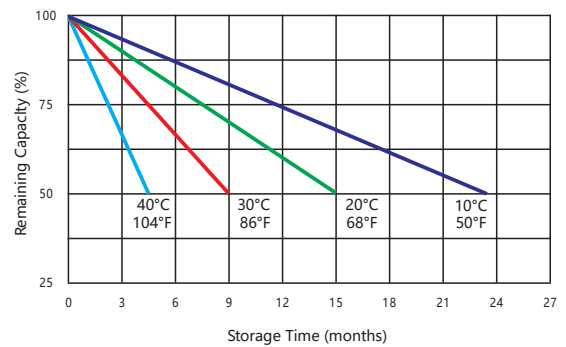
Charging Characteristics@25°C(77°F)



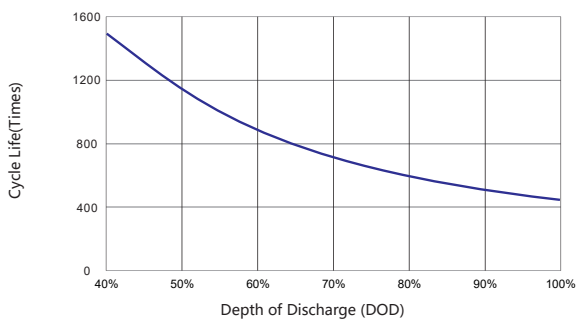
Capacity vs Temperature



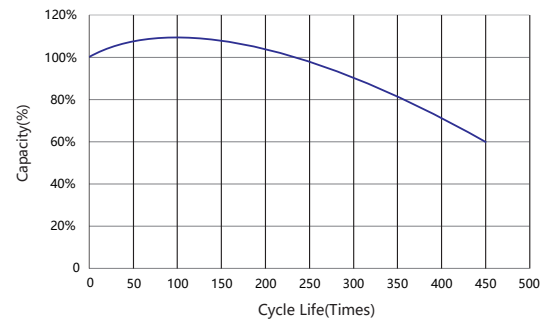
Self-discharge vs Time



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 VOLTAGE	FLEETING VOLTAGE
Limited current: $\leq 0.2C_7A$	14.75V~14.85V@25°C(77°F) Temp.Coefficient:- 24mV/°C	13.7V~13.9V@25°C(77°F) Temp.Coefficient:- 18mV/°C

PRODUCT APPLICATIONS



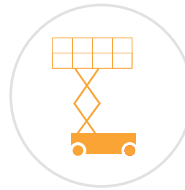
Low Speed EV



Electric Forklift



Wheelchair



Lift Truck



Motor Home



Sweeper



Electric Motorcycle



Electric Tricycle



Water Scooter



E-scooter



Snowmobile



Kid's Electric Bike



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