

ET-1270 (12V 7.0AH)

Valve-regulated Lead Acid Battery Specification

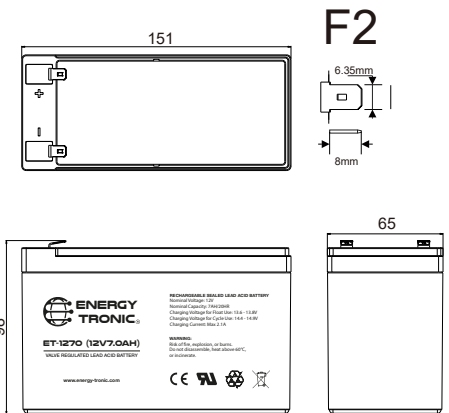
Features

- Maintenance free
- Safety and no leakage
- Excellent recharge and discharge performance
- Low self-discharge rate
- Adapt to high or low temperature
- Good deep discharge performance
- Longer cycle life



Specification

Rated Voltage	12V
Numbers of cells	6 Cells
Capacity	7.0Ah@20hr-rate to 1.80V per cell @25°C
Weight	2.26kg
Internal Resistance	Approx. 23 mΩ
Terminal	F2
Max. Discharge Current	105A(5s)
Short Circuit Current	375A
Max. Charging Current	2.1A
Reference Capacity	C20 7.0AH C5 5.8AH C1 4.26AH
Design Life	6~8 years
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -20mV/°C/Cell
Cycle Use Voltage	14.4 V~14.9 V @ 25°C Temperature Compensation: -30mV/°C/Cell
Operating Temperature Range	Discharge: -15°C~50°C Charge: 0°C~40°C Storage: -15°C~40°C
Normal Operating Temperature Range	25°C±5°C
Self Discharge	Less than 3% at 25°C per month
Container Material	A.B.S. UL94-HB, UL94-V0



Length	151±2mm (5.9 inches)
Width	65±1mm (2.6 inches)
Height	94±1mm (3.7 inches)
Total Height	98 ±1mm (3.9 inches)

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	19.2	13.7	11.3	9.20	6.65	4.80	3.83	1.66	1.14	0.653	0.350
1.75V/cell	21.5	14.9	12.0	9.70	6.92	4.99	3.98	1.71	1.16	0.663	0.357
1.70V/cell	23.4	15.9	12.8	10.2	7.18	5.12	4.05	1.75	1.19	0.672	0.361
1.65V/cell	25.5	16.8	13.4	10.6	7.43	5.28	4.17	1.77	1.21	0.680	0.365
1.60V/cell	26.8	17.6	13.8	10.9	7.64	5.42	4.26	1.81	1.23	0.690	0.371

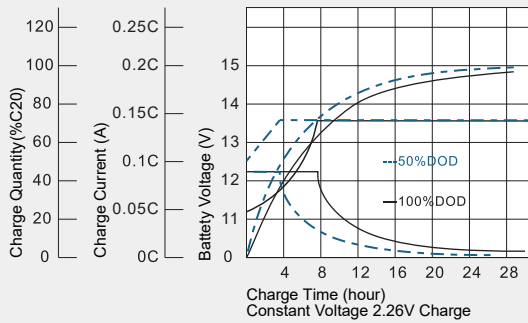
Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	35.9	25.8	21.5	17.7	12.9	9.37	7.52	3.30	2.27	1.31	0.704
1.75V/cell	39.8	28.0	22.8	18.6	13.4	9.72	7.79	3.37	2.31	1.33	0.716
1.70V/cell	42.8	29.5	24.0	19.3	13.8	9.89	7.88	3.42	2.34	1.33	0.718
1.65V/cell	45.7	30.7	24.8	19.8	14.1	10.1	8.02	3.45	2.36	1.34	0.720
1.60V/cell	47.0	31.5	25.1	20.1	14.3	10.3	8.13	3.50	2.39	1.35	0.728

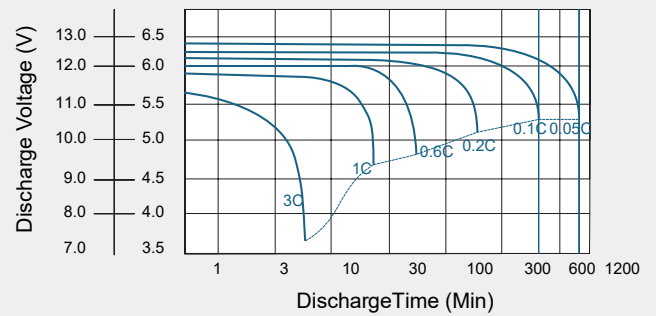
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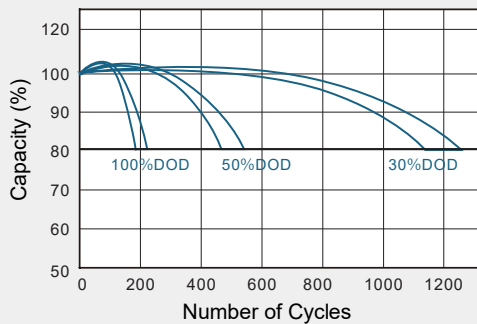
Charge Characteristics for Float Use @ 25°C/77°F



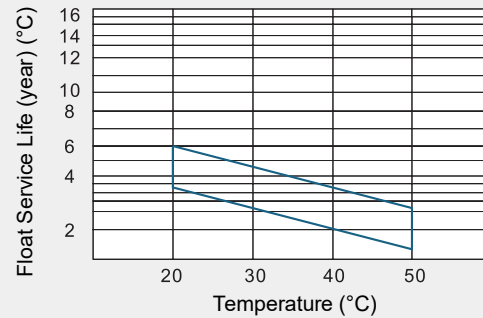
Discharge Characteristics at Various Rates @ 25°C/77°F



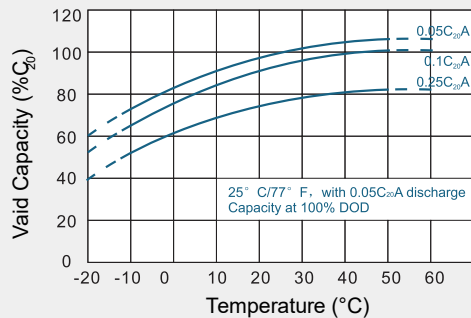
Cycle Life in Relation to Depth of Discharge



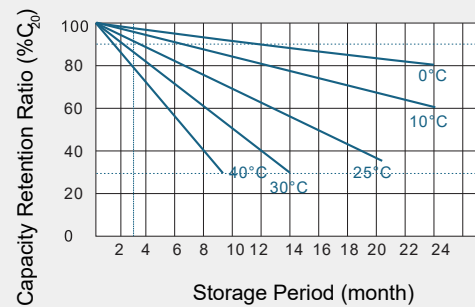
Float Service Life



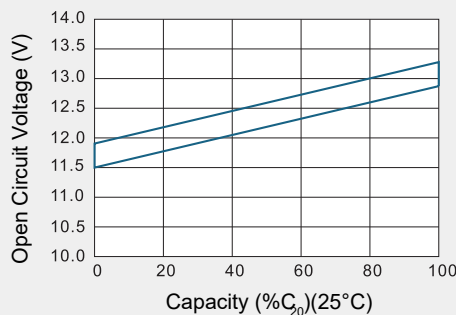
Temperature and Valid Capacity



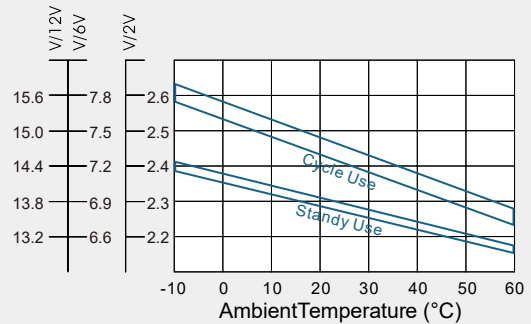
Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature



CN02/0326

