

22OPzV2750

(2V 3025Ah @ 10hr)

Eternity Technologies valve regulated lead-acid batteries for the standby power market. With an innovative Gel-technology design Eternity Technologies OPzV batteries have a reliable maintenance-free and leakage-free construction.

Performance characteristics

Nominal Voltage 2V
 Number of cells 1
 Design Life 20 years

Nominal Capacity 20°C (68°F)

10 hour rate (302.5A, 1.8V) 3025Ah
 5 hour rate (532A, 1.75V) 2660Ah
 1 hour rate (1770A, 1.6V) 1770Ah

Internal Resistance

Fully Charged Battery 20°C (68°F) 0.13mOhm

Self-Discharge

2% of capacity declined per month at 20°C (average)

Operating Temperature Range

-20°C to +55°C

Maximum Discharge Current 20°C (68°F)

2854A

Charge Methods: Constant Voltage Charge 20°C (68°F)

Cycle use 2.40V (time limited)
 Maximum charging current 1512.5A
 Standby use 2.25V ± 1%
 Temperature compensation -5.0mV/°C /Cell
 Terminal torque 23Nm

Discharge Constant Current (Amperes at 20°C)

Cells (V)	10 m	15 m	30 m	1 h	2 h	3 h	5 h	8 h	10 h
1.60	2853.7	2593.4	2305.6	1769.8	1034.9	842.0	560.3	352.1	306.2
1.65	2320.9	2229.1	2045.3	1690.2	1010.4	826.7	554.2	352.1	306.2
1.70	2159.9	2051.0	1890.6	1591.2	998.3	819.8	547.5	344.9	302.5
1.75	1875.5	1818.0	1712.2	1400.6	904.5	783.5	532.4	344.9	302.5
1.80	1769.6	1657.7	1488.3	1194.9	862.1	735.1	499.1	341.8	302.5
1.83	1558.2	1495.2	1310.2	990.0	817.9	690.3	481.1	329.4	283.1
1.85	1427.7	1345.8	1130.2	900.9	769.8	630.6	442.2	313.9	273.0
1.87	1154.0	1132.5	1100.3	874.9	740.7	606.5	421.4	303.3	268.4
1.90	959.2	929.8	888.1	807.1	652.6	527.4	385.2	282.1	245.3

Discharge Constant Power (Watts at 20°C)

Cells (V)	10 m	15 m	30 m	1 h	2 h	3 h	5 h	8 h	10 h
1.60	4581.9	4164.1	3739.6	2946.3	1855.2	1544.4	1055.3	672.1	587.3
1.65	3838.3	3686.4	3406.2	2868.6	1811.3	1516.3	1043.8	672.1	587.3
1.70	3677.1	3491.7	3235.6	2758.8	1779.2	1508.0	1031.2	658.2	580.2
1.75	3286.4	3185.6	3009.5	2483.6	1632.9	1437.8	1002.7	658.2	580.2
1.80	3204.6	3001.9	2686.5	2172.0	1585.2	1365.8	937.5	651.3	580.9
1.83	2876.3	2760.2	2402.2	1823.0	1522.6	1294.1	912.3	631.4	543.1
1.85	2667.9	2514.9	2094.6	1676.3	1443.2	1190.6	843.5	604.3	524.6
1.87	2172.5	2132.1	2063.6	1645.1	1401.5	1152.9	808.7	587.1	519.5
1.90	1826.7	1770.6	1715.3	1537.9	1249.7	1015.3	745.0	548.2	478.2



N Part of our Network Power range

Features

- High capacity density

- Robust tubular positive electrode design, compliant with DIN 40742

- Low self discharge rate allows for up to 2 years shelf life

- Operating temperature -20°C to +55°C

- 20 year float life at 20°C (68°F)

- EUROBAT design life: Long Life > 12 years

- Fully recyclable with low CO₂ footprint

Applications

- Telecommunications/ Mobile Phone Stations

- Traffic Systems

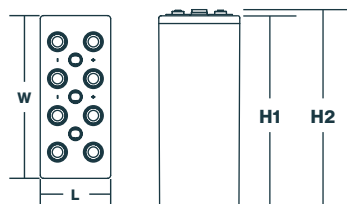
- UPS Systems

- Emergency Lighting

- Electrical Switching

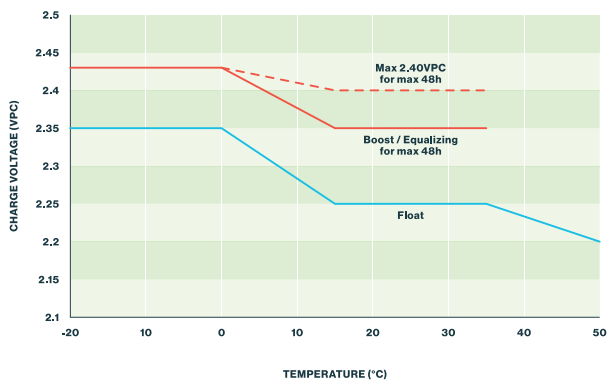
Dimensions and weight

Length 214 mm
 Width 578 mm
 Height (H1) 784 mm
 Total height (H2) 809 mm
 Approx. weight 216.4 kg

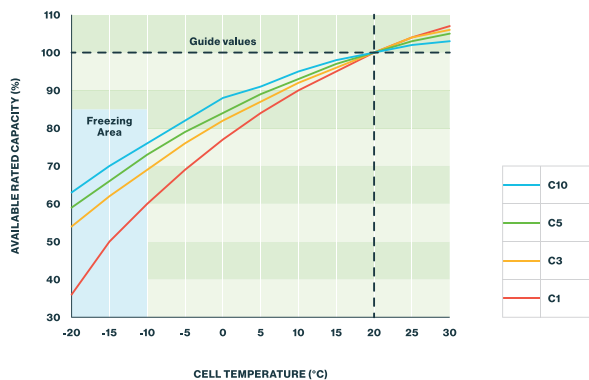


Compliant with IEC60896-21/22

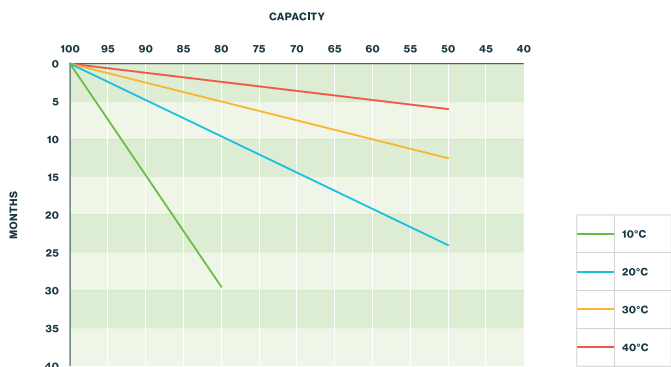
Charging voltage vs. Temperature



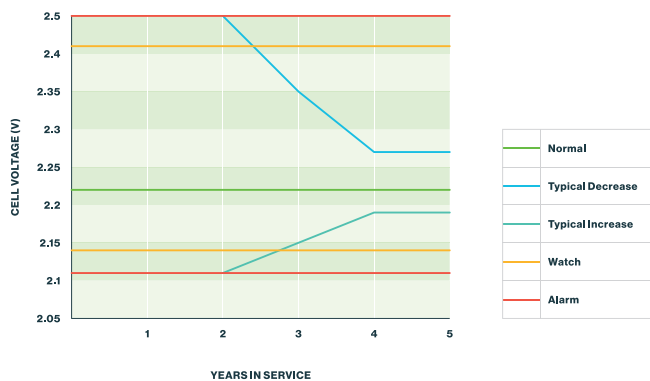
Capacity vs. Temperature



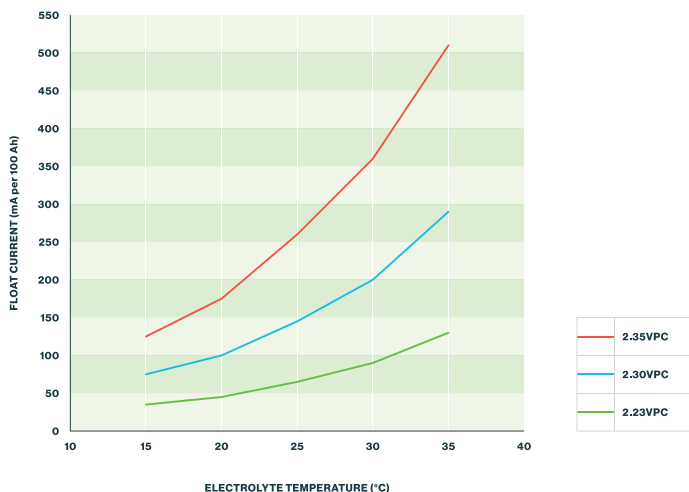
Self discharge at different temperatures



Float voltage deviation vs. Years in service



Float current: Residual charge current



Storage: Determine the state of charge

