

22OPzS2750

(2V 3025Ah @ 10hr)

Eternity Technologies vented lead-acid batteries for the standby power market. Eternity Technologies OPzS batteries have optimised design resulting in a low maintenance, reliable energy storage solution for critical and unstable conditions.

Performance characteristics

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

Nominal Capacity 20°C (68°F)

10 hour rate (303A, 1.8V) 3025Ah
 5 hour rate (535A, 1.75V) 2825Ah
 1 hour rate (1729A, 1.6V) 1729Ah

Internal Resistance

Fully Charged Battery 20°C (68°F) 0.11mOhm

Electrolyte

Nominal S.G at 20°C = 1.240kg/l

Operating Temperature Range

-20°C to +55°C

Maximum Discharge Current 20°C (68°F)

2944A

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

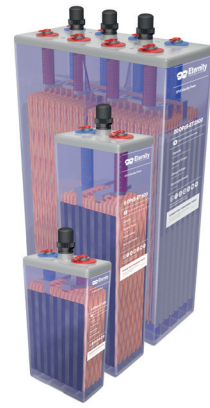
Cycle use 2.40V (time limited)
 Maximum charging current 1210A
 Standby use 2.25V ± 1%
 Temperature compensation -3.0mV/°C/Cell
 Terminal torque 23Nm

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	2858.6	2682.2	2258.7	1729.3	1164.6	847.0	599.0	399.3	326.7
1.65	2515.8	2389.8	2031.8	1583.1	1109.2	821.8	586.9	396.3	326.7
1.70	2183.0	2087.3	1799.9	1426.8	1033.5	786.5	565.7	390.2	323.7
1.75	1845.3	1779.7	1562.9	1255.4	947.8	735.1	535.4	378.1	315.6
1.80	1507.5	1457.0	1310.8	1073.9	836.9	665.5	493.1	357.0	302.5
1.83	1295.7	1255.4	1144.5	951.9	756.3	611.1	460.8	338.8	288.4
1.85	1159.6	1124.3	1033.5	871.2	700.8	574.8	438.6	326.7	278.3
1.87	1013.4	984.1	910.5	777.4	636.3	527.4	410.4	307.5	264.2
1.90	791.5	773.4	726.0	637.3	538.5	456.8	369.1	278.3	242.0

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	4643.4	4396.3	3806.5	2949.4	2031.8	1522.6	1099.1	748.2	621.1
1.65	4199.7	4013.2	3483.8	2737.6	1956.2	1482.3	1084.0	745.2	621.1
1.70	3746.0	3589.7	3141.0	2505.7	1845.3	1426.8	1048.7	737.1	618.1
1.75	3246.8	3141.0	2788.0	2248.6	1719.2	1356.2	1005.3	717.9	604.0
1.80	2722.5	2636.8	2389.8	1966.3	1547.8	1245.3	934.7	683.7	583.8
1.83	2369.6	2304.0	2112.5	1759.5	1406.6	1149.5	878.3	652.4	559.6
1.85	2147.8	2087.3	1920.9	1623.4	1315.9	1089.0	839.9	632.2	542.5
1.87	1895.7	1840.2	1593.2	1462.1	1205.0	1004.3	789.5	597.9	518.3
1.90	1502.4	1467.1	1381.4	1215.0	1033.5	881.3	717.9	545.5	476.9



N Part of our Network Power range

Features

- High energy density

- Robust tubular positive electrode design, compliant with DIN 40736

- Minimal maintenance due to low antimony alloy and large electrolyte volume

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

- EUROBAT design life: Long Life > 12 years

- Fully recyclable with low CO₂ footprint

Applications

- Telecommunications/ Mobile Phone Stations

- Traffic Systems

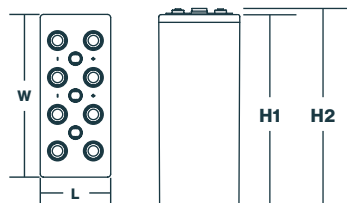
- UPS Systems

- Emergency Lighting

- Electrical Switching

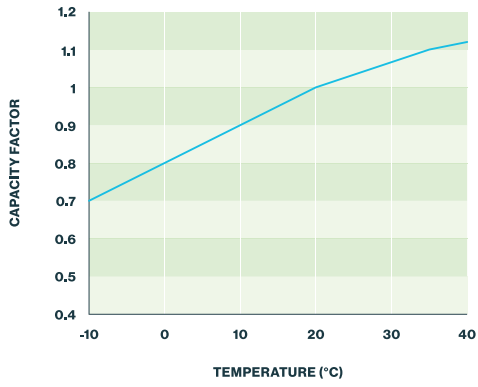
Dimensions and weight

Length 214 mm
 Width 578 mm
 Height (H1) 784 mm
 Total height (H2) 809 mm
 Dry weight 138.4 kg
 Filled weight 200.8 kg

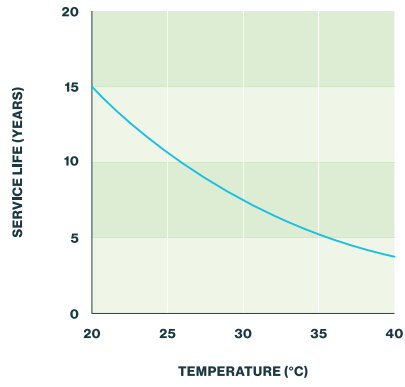


Compliant with IEC60896-11

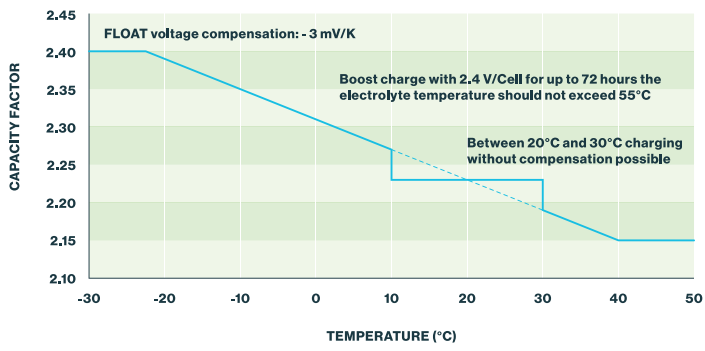
Capacity factor vs. Temperature - discharge current I_{10}



Service life vs. Temperature



Charging voltage vs. Temperature



Self discharge

