Eternity TECHNOLOGIES

11 OPzS-ET 1375

(2V 1512.5Ah @ 10hr)

Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 20°C (68°F)	
10 hour rate (151.3A, 1.8V)	1512.5Ah
5 hour rate (267.7A, 1.75V)	1338.3Ah
1 hour rate (830.5A, 1.6V)	830.5Ah
Internal Resistance	
Fully Charged Battery 20°C (68°F)	0.23mOhm
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)	1347.5A
Charge Methods: Constant Voltage Charge 20°C (68°F)	
Cycle use	2.40V (time limited)
Maximum charging current	605 A
Standby use	2.25V ± 1%
Temperature compensation	-3.5mV/°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	1307.9	1241.2	1058.8	830.5	571.2	423.5	299.8	199.3	163.7
1.65	1156.7	1103.2	952.0	758.9	544.5	411.0	293.6	198.4	163.7
1.70	1000.9	965.3	845.3	683.3	509.8	393.3	282.9	194.9	161.9
1.75	847.0	821.2	733.2	601.4	466.2	367.5	267.8	188.7	158.4
1.80	691.3	672.7	613.9	514.3	411.0	332.8	246.5	178.8	151.3
1.83	594.4	580.1	535.6	456.4	371.9	305.2	229.5	170.0	144.1
1.85	530.3	518.7	484.0	417.3	345.2	287.4	218.9	163.7	138.8
1.87	463.6	454.7	426.2	372.8	313.1	264.3	204.6	153.9	131.6
1.90	363.0	357.7	339.9	305.2	264.3	228.6	184.2	138.8	121.0

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	2126.4	2037.4	1738.8	1414.6	996.5	759.8	550.7	373.6	311.4
1.65	1930.7	1855.1	1632.6	1312.3	960.9	740.2	542.8	372.8	311.4
1.70	1717.1	1659.3	1476.9	1201.1	912.0	714.5	524.9	368.3	309.7
1.75	1490.2	1450.3	1307.9	1076.5	846.1	677.1	502.7	358.5	303.4
1.80	1245.6	1218.9	1121.0	943.1	759.8	621.9	467.1	342.6	291.9
1.83	1085.4	1063.2	987.6	844.3	692.2	575.7	436.9	327.4	279.4
1.85	983.1	960.9	898.6	778.5	647.7	544.5	419.0	316.7	270.5
1.87	866.6	850.6	745.6	701.1	591.6	503.6	394.2	298.9	258.0
1.90	689.5	679.7	647.7	582.7	507.1	441.3	358.5	272.3	238.4

Features

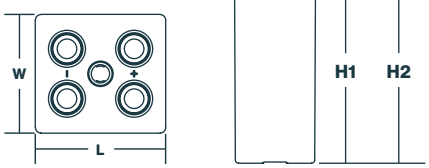
- High energy density
- Robust tubular positive electrode design, compliant with DIN 40736
- Minimal maintenance due to low antimony alloy and large electrolyte volume
- Operating temperature -20°C to +55°C
- EUROBAT design life: Long Life > 12 years
- Fully recyclable with low CO_2 footprint

Applications

- Telecommunications/ Mobile Phone Stations
- Traffic Systems
- UPS Systems
- Emergency Lighting
- Electrical Switching

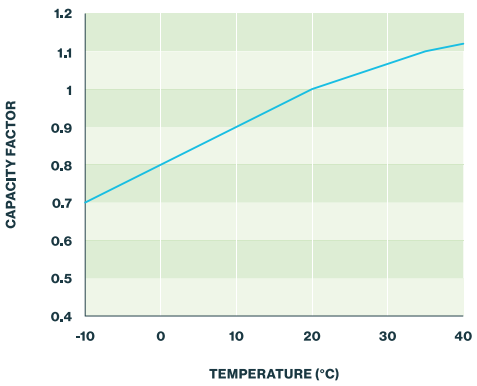
Dimensions and weight

Length (max)	215 mm
Width (max)	277 mm
Height: H1 (max)	800 mm
Total height: H2 (max)	815 mm
Filled weight (max)	107.3 kg

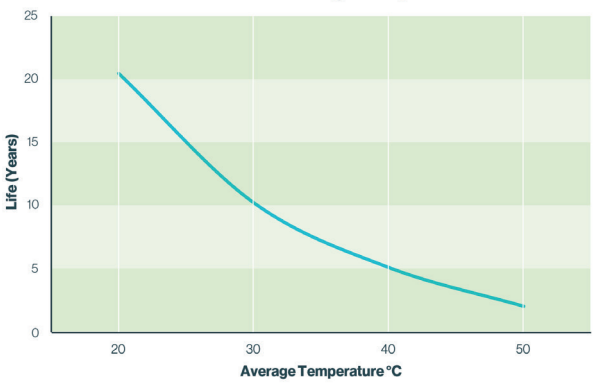


Compliant with IEC60896-11

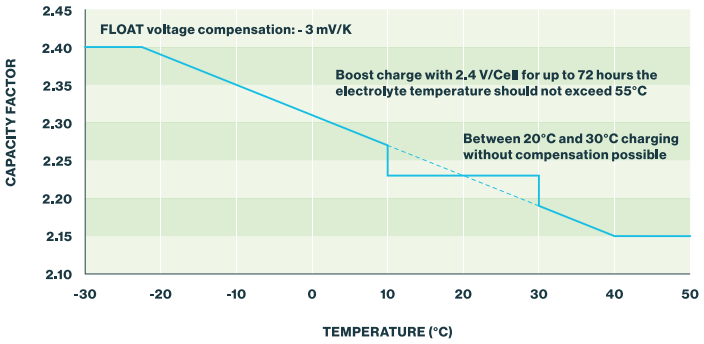
Capacity factor vs. Temperature - discharge current I_{10}



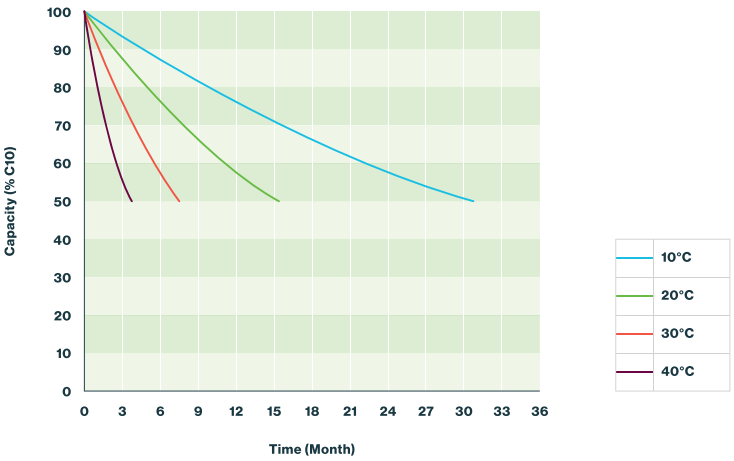
Float Life vs. Average Temperature



Charging voltage vs. Temperature



Self discharge



+971 724 33 535
info@eternitytechnologies.com
www.eternitytechnologies.com