

20 OPzV-ET 2500

(2V 2740Ah @ 10hr)



Performance characteristics

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

Nominal Capacity 20°C (68°F)

10 hour rate (274A, 1.8V)	2740Ah
5 hour rate (482A, 1.75V)	2410Ah
1 hour rate (1607A, 1.6V)	1607Ah

Internal Resistance

Fully Charged Battery 20°C (68°F)	0.14mOhm
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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)

2591A

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

Cycle use	2.40V (time limited)
Maximum charging current	1370A
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	2591.1	2354.8	2093.5	1606.9	939.7	764.5	508.8	319.7	278.0
1.65	2107.4	2023.9	1857.1	1534.6	917.4	750.6	503.2	319.7	278.0
1.70	1956.4	1857.7	1712.5	1441.2	904.2	742.5	495.9	312.4	274.0
1.75	1698.8	1646.7	1550.8	1268.6	819.3	709.7	482.2	312.4	274.0
1.80	1602.9	1501.5	1348.1	1082.3	780.9	665.8	452.1	309.6	274.0
1.83	1414.0	1356.8	1189.0	898.4	742.3	626.4	436.6	298.9	256.9
1.85	1296.5	1222.2	1026.3	818.1	699.1	572.7	401.6	285.1	247.9
1.87	1044.4	1025.0	995.8	791.8	670.4	548.9	381.3	274.5	242.9
1.90	867.3	840.7	803.0	729.8	590.0	476.9	348.2	255.1	221.8

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	4160.1	3780.7	3396.2	2678.5	1686.3	1403.4	958.2	611.4	533.9
1.65	3485.8	3347.8	3093.3	2605.1	1646.4	1377.9	947.8	611.4	533.9
1.70	3332.1	3164.0	2931.0	2499.0	1613.6	1367.2	934.1	597.3	526.2
1.75	2976.7	2885.5	2725.5	2251.0	1480.5	1302.6	908.3	597.3	526.2
1.80	2902.7	2719.1	2433.4	1967.4	1435.8	1237.1	849.2	589.9	526.2
1.83	2603.9	2498.7	2179.8	1654.8	1380.9	1173.8	828.2	571.1	491.7
1.85	2415.3	2276.8	1902.0	1523.2	1309.9	1081.9	765.6	548.5	477.6
1.87	1964.1	1927.6	1865.1	1487.3	1268.1	1043.3	730.8	530.9	469.2
1.90	1660.8	1609.8	1547.2	1391.9	1130.9	917.3	675.2	494.9	433.2

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

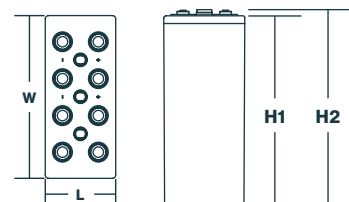
UPS Systems

Emergency Lighting

Electrical Switching

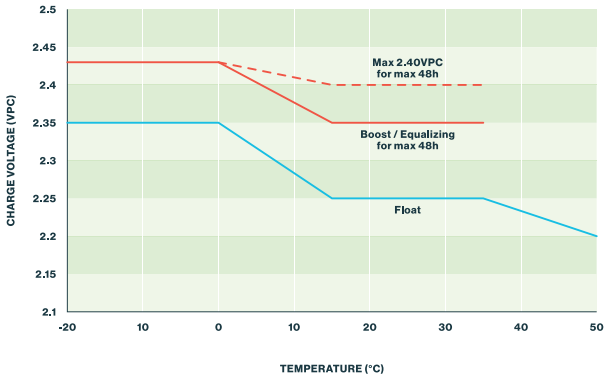
Dimensions and weight

Length	212 mm
Width	487 mm
Height (H1)	769 mm
Total height (H2)	782 mm
Approx. weight	190.1 kg

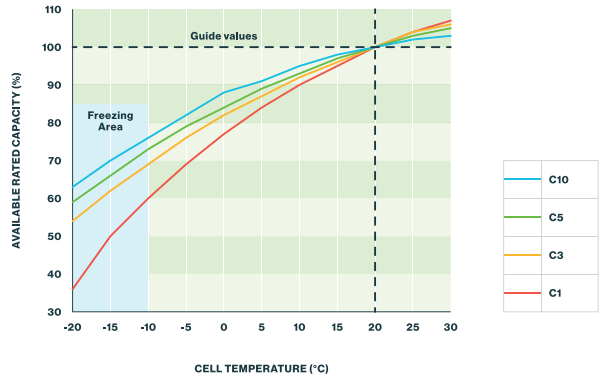


Compliant with IEC60896-21/22

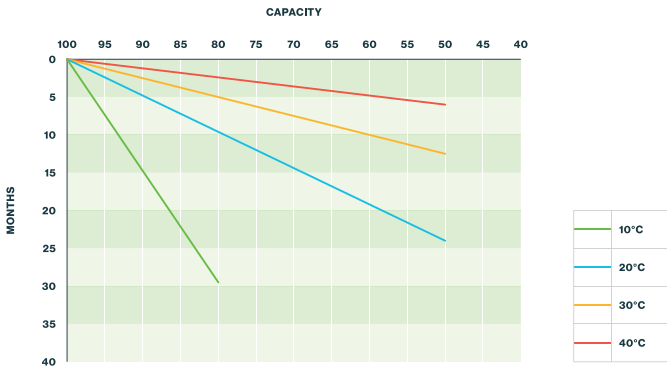
Charging voltage vs. Temperature



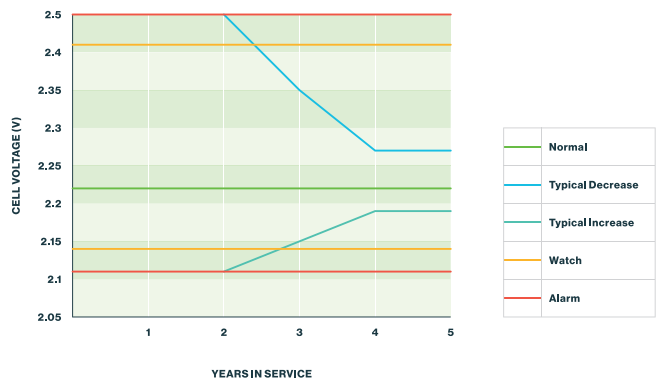
Capacity vs. Temperature



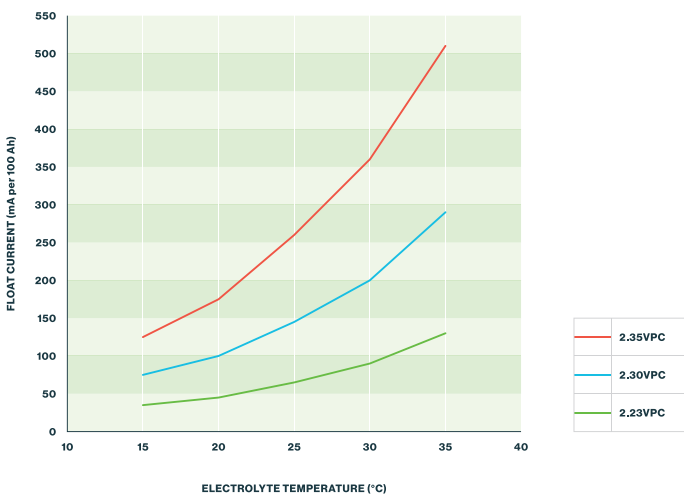
Self discharge at different temperatures



Float voltage deviation vs. Years in service



Float current: Residual charge current



Storage: Determine the state of charge

