

24 OPzV-ET 3000

(2V 3300Ah @ 10hr)



Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 20°C (68°F)	
10 hour rate (330A, 1.8V)	3300Ah
5 hour rate (581A, 1.75V)	2905Ah
1 hour rate (1931A, 1.6V)	1931Ah
Internal Resistance	
Fully Charged Battery 20°C (68°F)	0.10mOhm
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)	3113A
Charge Methods: Constant Voltage Charge 20°C (68°F)	
Cycle use	2.40V (time limited)
Maximum charging current	1650A
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	3113.1	2829.2	2515.2	1930.7	1129.0	918.6	611.3	384.1	334.0
1.65	2531.9	2431.7	2231.3	1843.8	1102.3	901.9	604.6	384.1	334.0
1.70	2356.2	2237.4	2062.5	1735.8	1089.0	894.3	597.3	376.2	330.0
1.75	2046.0	1983.3	1867.8	1527.9	986.7	854.7	580.8	376.2	330.0
1.80	1930.5	1808.4	1623.6	1303.5	940.5	801.9	544.5	372.9	330.0
1.83	1699.8	1631.2	1429.3	1080.0	892.3	753.0	524.9	359.3	308.9
1.85	1557.5	1468.2	1232.9	982.8	839.8	687.9	482.4	342.5	297.8
1.87	1258.9	1235.5	1200.4	954.4	808.1	661.7	459.7	330.8	292.8
1.90	1046.4	1014.3	968.8	880.5	711.9	575.4	420.2	307.8	267.6

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	4998.5	4542.6	4079.5	3214.1	2023.8	1684.8	1151.3	733.2	640.7
1.65	4187.3	4021.5	3715.9	3129.4	1975.9	1654.1	1138.7	733.2	640.7
1.70	4011.4	3809.1	3529.7	3009.6	1940.9	1645.1	1125.0	718.0	632.9
1.75	3585.1	3475.3	3283.1	2709.4	1781.4	1568.5	1093.9	718.0	632.9
1.80	3500.3	3278.9	2929.4	2367.3	1729.6	1489.8	1023.6	710.5	632.9
1.83	3137.8	3011.1	2620.5	1988.8	1661.0	1411.7	995.2	688.8	592.4
1.85	2910.4	2743.5	2285.1	1828.7	1574.4	1298.9	920.2	659.2	572.3
1.87	2370.0	2325.9	2251.2	1794.7	1528.9	1257.7	882.2	640.5	566.7
1.90	1992.8	1931.6	1871.2	1677.7	1363.3	1107.6	812.7	598.0	521.7

Features

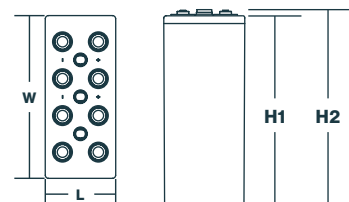
High capacity density
Robust tubular positive electrode design, compliant with DIN 40742
Low self discharge rate allows for up to 2 years shelf life
Operating temperature -20°C to +55°C
20 year float life at 20°C (68°F)
EUROBAT design life: Long Life > 12 years
Fully recyclable with low CO ₂ footprint

Applications

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

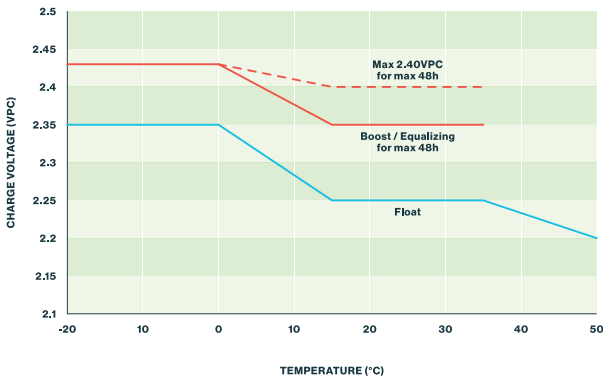
Dimensions and weight

Length (max)	215 mm
Width (max)	580 mm
Height: H1 (max)	775 mm
Total height: H2 (max)	790 mm
Approx. weight (max)	229.1kg

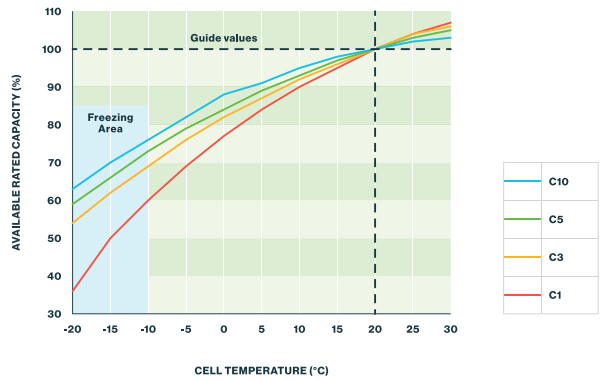


Compliant with IEC60896-21/22

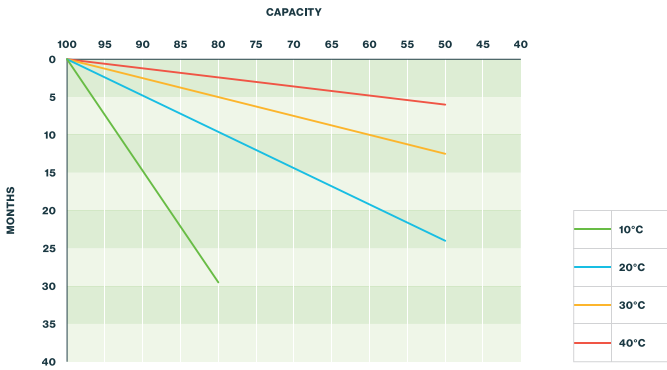
Charging voltage vs. Temperature



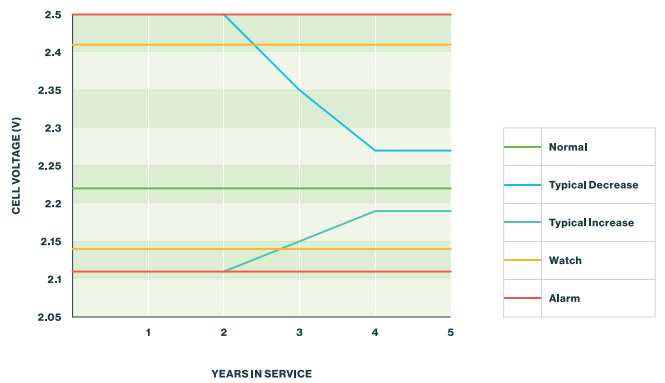
Capacity vs. Temperature



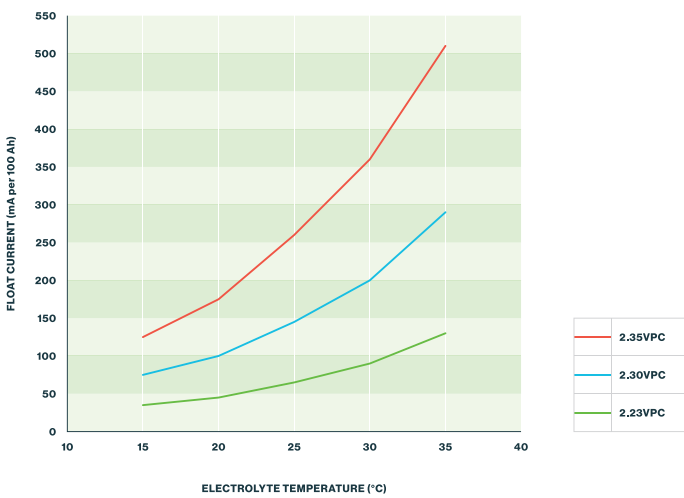
Self discharge at different temperatures



Float voltage deviation vs. Years in service



Float current: Residual charge current



Storage: Determine the state of charge

