15 OPzV-ET 1875

(2V 2063Ah @ 10hr)

Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 20°C (68°F)	
10 hour rate (206.3A, 1.8V)	2063Ah
5 hour rate (363A, 1.75V)	1815Ah
1 hour rate (1203A, 1.6V)	1203Ah
Internal Resistance	
Fully Charged Battery 20°C (68°F)	0.19mOhm
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)	1950A
Charge Methods: Constant Voltage Charge 20°C (68°F)	
Cycle use	2.40V (time limited)
Maximum charging current	1037A
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	1939.8	1762.9	1567.2	1203.0	703.5	572.4	380.9	239.4	208.1
1.65	1577.7	1515.2	1390.3	1148.9	686.8	562.0	376.7	239.4	208.1
1.70	1472.6	1398.4	1289.1	1084.9	680.6	558.9	373.3	235.1	206.3
1.75	1278.8	1239.6	1167.4	954.9	616.7	534.2	363.0	235.1	206.3
1.80	1206.6	1130.3	1014.8	814.7	587.8	501.2	340.3	233.1	206.3
1.83	1062.5	1019.6	893.4	675.1	557.7	470.7	328.1	224.6	193.1
1.85	970.3	914.7	768.1	612.3	523.2	428.6	300.6	213.4	185.5
1.87	785.6	771.0	749.1	595.6	504.3	412.9	286.8	206.5	182.7
1.90	651.8	631.8	603.4	548.4	443.4	358.4	261.7	191.7	166.7

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	3114.6	2830.6	2543.1	2009.0	1264.5	1052.0	717.4	458.1	400.5
1.65	2610.2	2506.9	2316.9	1950.8	1234.6	1032.9	709.6	458.1	400.5
1.70	2506.8	2380.4	2206.9	1881.4	1215.2	1028.6	703.2	450.0	396.9
1.75	2239.2	2170.6	2052.4	1695.3	1115.0	981.6	683.7	450.0	396.9
1.80	2177.3	2039.6	1832.2	1480.7	1080.4	931.2	640.2	444.1	396.9
1.83	1954.7	1875.7	1638.9	1243.6	1038.4	883.1	623.5	428.8	370.0
1.85	1801.9	1698.5	1422.7	1139.9	980.3	810.4	572.5	410.2	357.8
1.87	1474.7	1447.3	1401.7	1120.2	954.4	785.5	550.3	398.8	353.7
1.90	1242.8	1204.6	1156.5	1046.5	849.9	690.4	507.2	372.9	325.6

Features

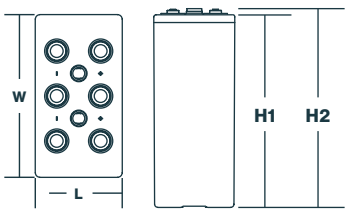
- High capacity density
- Robust tubular positive electrode design, compliant with DIN 40742
- Low self discharge rate allows for up to 2 years shelf life
- Operating temperature -20°C to +55°C
- 20 year float life at 20°C (68°F)
- EUROBAT design life: Long Life > 12 years
- Fully recyclable with low CO_2 footprint

Applications

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

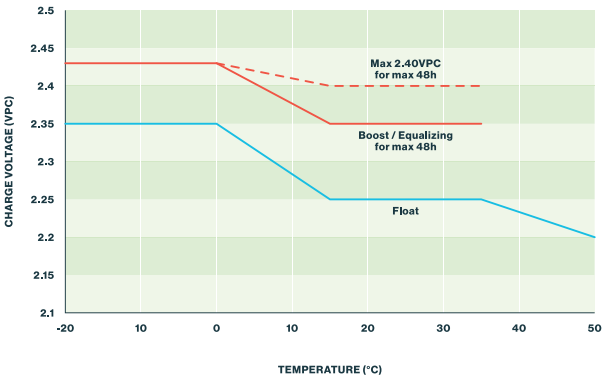
Dimensions and weight

Length (max)	215 mm
Width (max)	400 mm
Height: H1 (max)	775 mm
Total height: H2 (max)	790 mm
Approx. weight (max)	150.1 kg

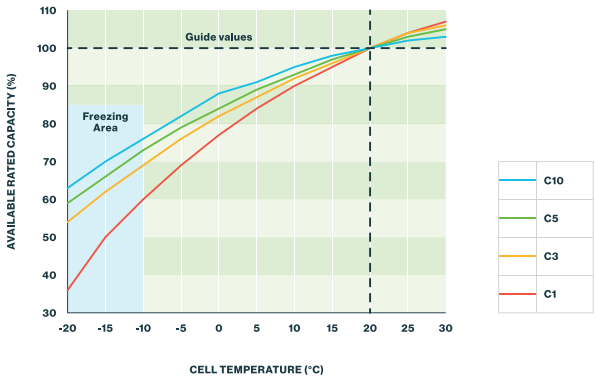


Compliant with IEC60896-21/22

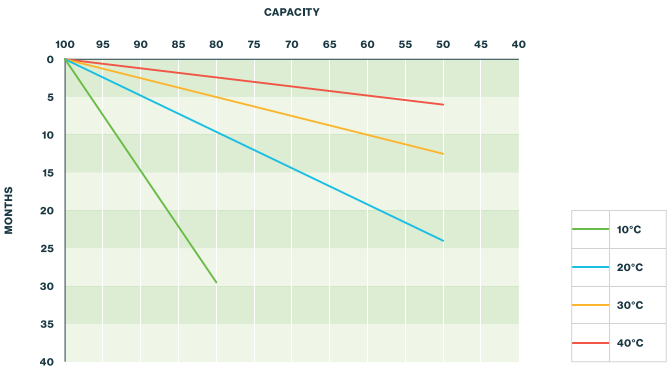
Charging voltage vs. Temperature



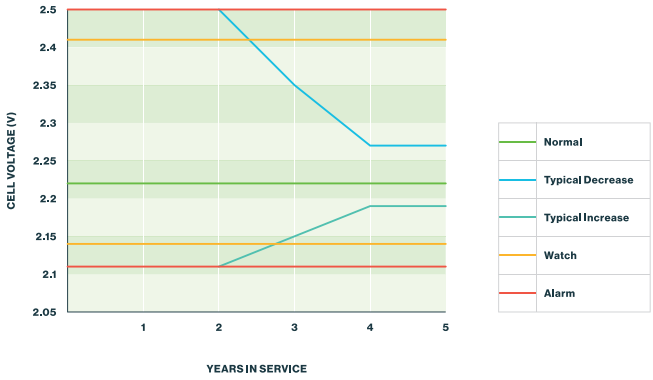
Capacity vs. Temperature



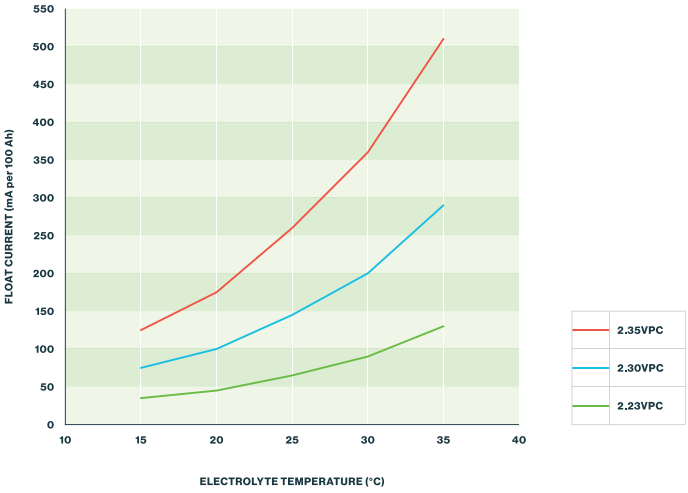
Self discharge at different temperatures



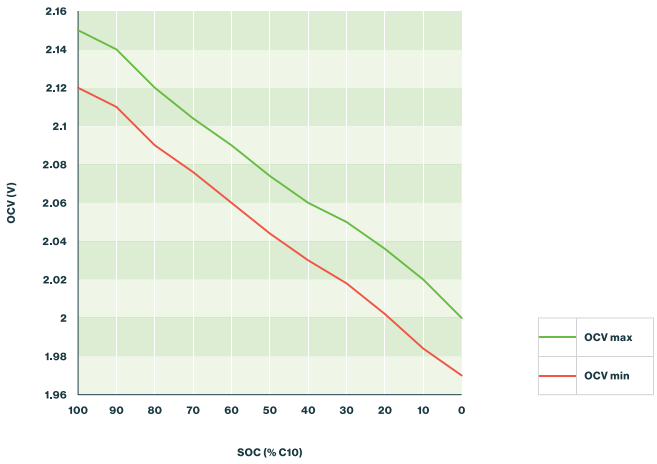
Float voltage deviation vs. Years in service



Float current: Residual charge current



Storage: Determine the state of charge



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