

25 OPzV-ET 3125

(2V 3438Ah @ 10hr)



Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 20°C (68°F)	
10 hour rate (343.8A, 1.8V)	3438Ah
5 hour rate (605A, 1.75V)	3025Ah
1 hour rate (2011A, 1.6V)	2011Ah
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)	
3243A	
Charge Methods: Constant Voltage Charge 20°C (68°F)	
Cycle use	2.40V (time limited)
Maximum charging current	1718.75A
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	3242.8	2947.1	2620.0	2011.1	1176.0	956.8	636.7	400.1	347.9
1.65	2637.4	2533.0	2324.3	1920.6	1148.2	939.4	629.8	400.1	347.9
1.70	2454.4	2330.6	2148.4	1808.1	1134.4	931.6	622.2	391.9	343.8
1.75	2131.3	2065.9	1945.6	1591.6	1027.8	890.3	605.0	391.9	343.8
1.80	2010.9	1883.8	1691.3	1357.8	979.7	835.3	567.2	388.4	343.8
1.83	1770.6	1699.1	1488.8	1125.0	929.5	784.4	546.8	374.3	321.7
1.85	1622.4	1529.4	1284.3	1023.7	874.8	716.6	502.5	356.7	310.2
1.87	1311.4	1287.0	1250.4	994.2	841.7	689.2	478.8	344.6	305.0
1.90	1090.0	1056.5	1009.2	917.2	741.5	599.4	437.7	320.6	278.8

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	5206.8	4731.9	4249.5	3348.0	2108.2	1754.9	1199.2	763.7	667.3
1.65	4361.7	4189.1	3870.7	3259.8	2058.3	1723.0	1186.1	763.7	667.3
1.70	4178.5	3967.8	3676.8	3135.0	2021.8	1713.7	1171.8	747.9	659.3
1.75	3734.5	3620.1	3419.9	2822.3	1855.6	1633.8	1139.5	747.9	659.3
1.80	3646.1	3415.5	3051.5	2466.0	1801.7	1551.9	1066.2	740.1	659.3
1.83	3268.6	3136.6	2729.7	2071.6	1730.2	1470.6	1036.7	717.5	617.1
1.85	3031.7	2857.8	2380.3	1904.9	1640.0	1353.0	985.6	686.7	596.2
1.87	2468.8	2422.8	2345.0	1869.5	1592.6	1310.1	918.9	667.2	590.3
1.90	2075.8	2012.1	1949.2	1747.7	1420.1	1153.7	846.6	623.0	543.4

Features

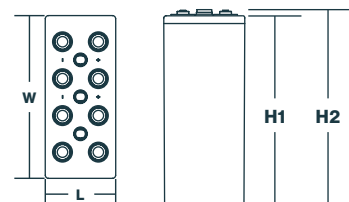
High capacity density
Robust tubular positive electrode design, compliant with DIN 40742
Low self discharge rate allows for up to 2 years shelf life
Operating temperature -20°C to +55°C
20 year float life at 20°C (68°F)
EUROBAT design life: Long Life > 12 years
Fully recyclable with low CO ₂ footprint

Applications

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

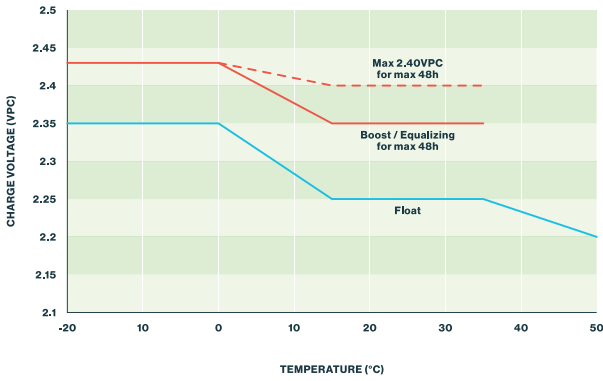
Dimensions and weight

Length (max)	215 mm
Width (max)	580 mm
Height: H1 (max)	775 mm
Total height: H2 (max)	790 mm
Approx. weight (max)	237 kg

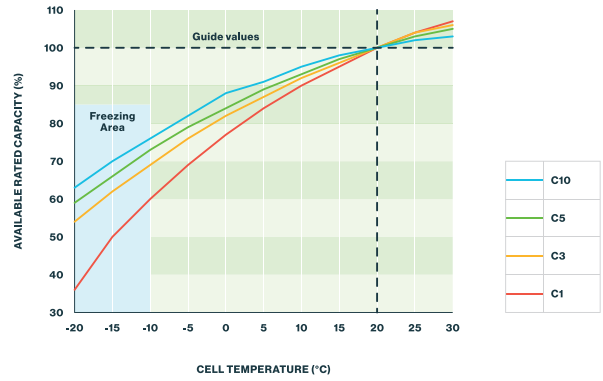


Compliant with IEC60896-21/22

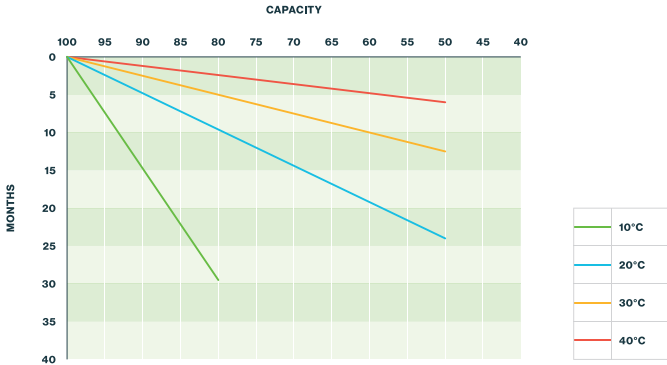
Charging voltage vs. Temperature



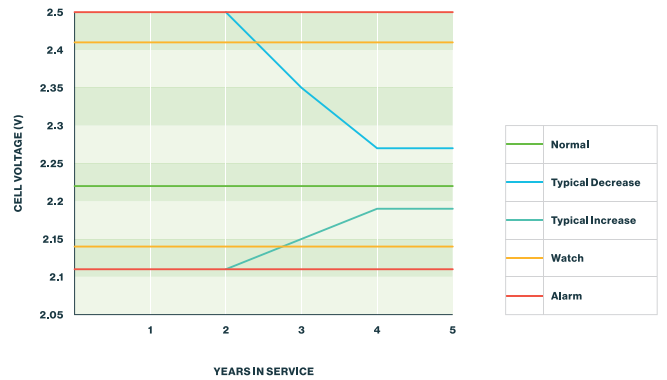
Capacity vs. Temperature



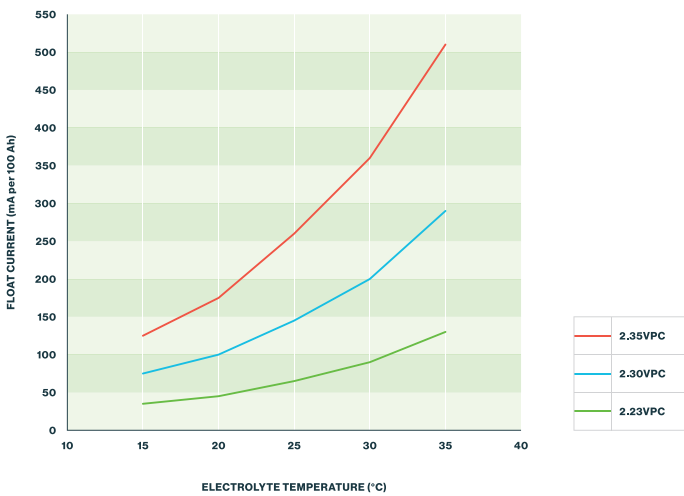
Self discharge at different temperatures



Float voltage deviation vs. Years in service



Float current: Residual charge current



Storage: Determine the state of charge

