

25 OPzV-ET 3125

(2V 3438Ah @ 10hr)



Performance characteristics

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|--|----------------------|
| 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

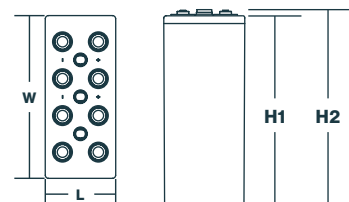
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|--|
| High capacity density |
| Robust tubular positive electrode design, compliant with DIN 40742 |
| Low self discharge rate allows for up to 2 years shelf life |
| Operating temperature -20°C to +55°C |
| 20 year float life at 20°C (68°F) |
| EUROBAT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

Applications

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

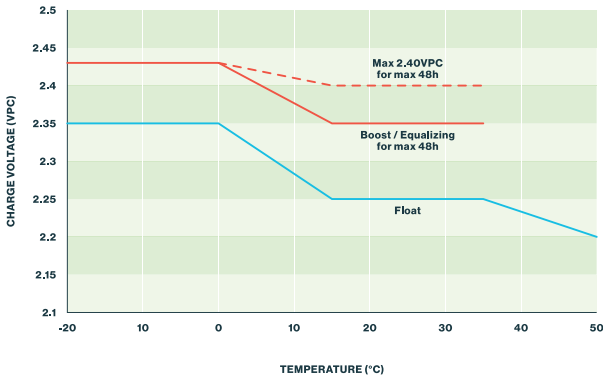
Dimensions and weight

| | |
|-------------------|----------|
| Length | 212 mm |
| Width | 575 mm |
| Height (H1) | 771 mm |
| Total height (H2) | 784 mm |
| Approx. weight | 233.3 kg |

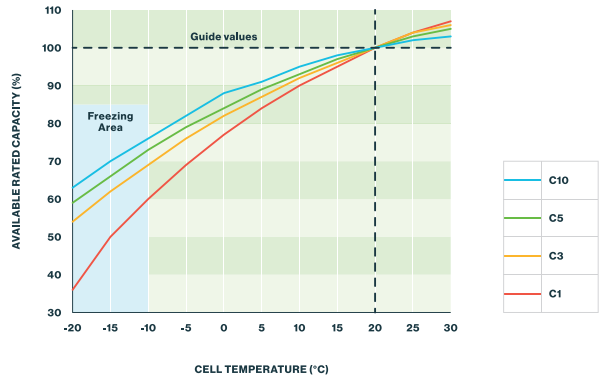


Compliant with IEC60896-21/22

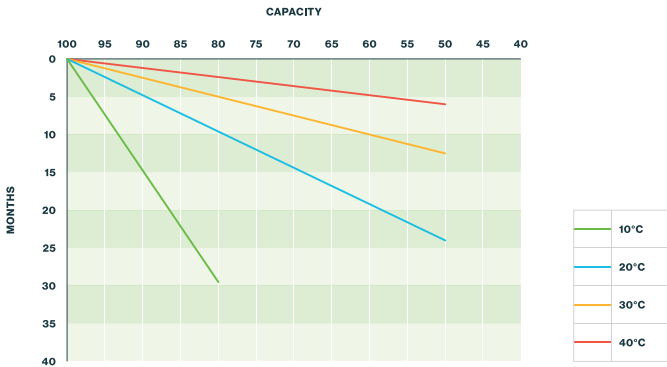
Charging voltage vs. Temperature



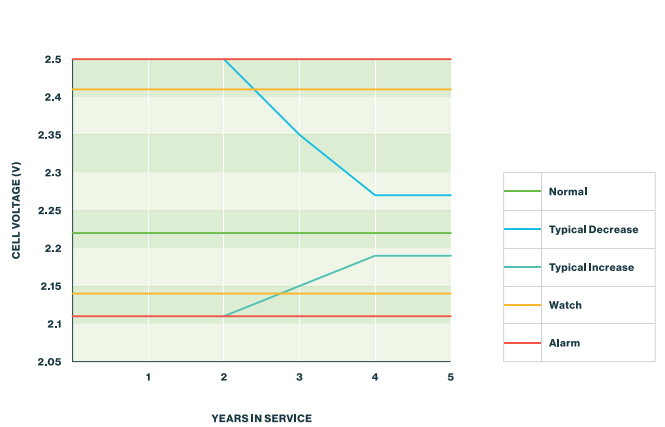
Capacity vs. Temperature



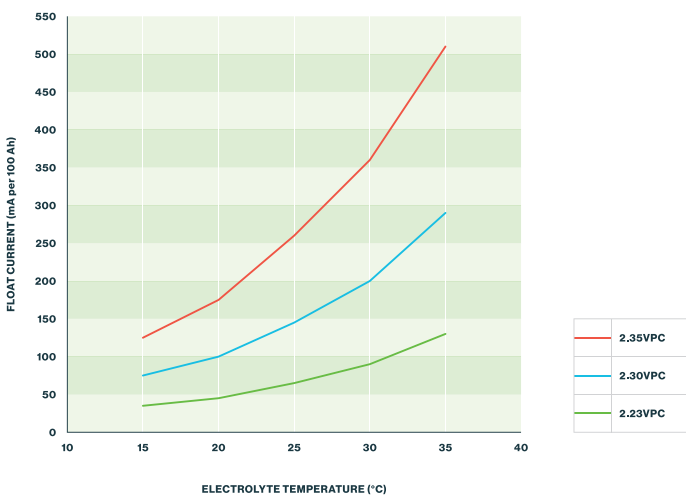
Self discharge at different temperatures



Float voltage deviation vs. Years in service



Float current: Residual charge current



Storage: Determine the state of charge

