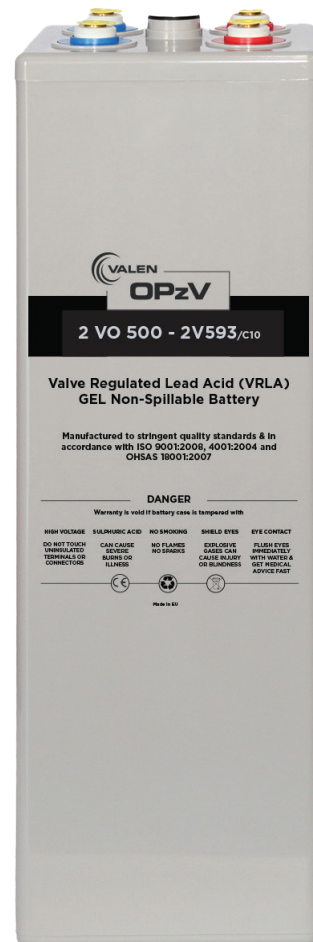
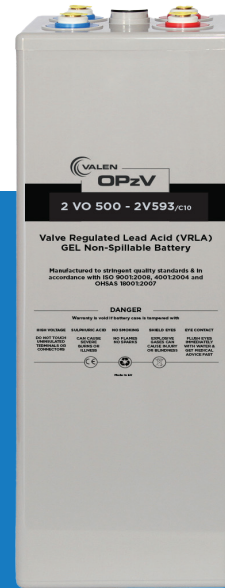


VALEN OPzV 2V500Ah

2VO500

- Premium Valve Regulated Lead Acid (VRLA) Design
- Maintenance-Free Design
- Advanced Tubular Gel Technology, Tubular positive plate construction provides reliability and long service life, whilst the negative plate grid design is constructed using lead calcium tin alloy.
- Design life of 18 years in standby applications
- Specialised OPzV Sliding Pole Design
- Specialised Valen 2V Design, Includes a protective terminal cover as well as insulated intercell links
- IATA Approved, Valen OPzV battery range is safe for air transportation

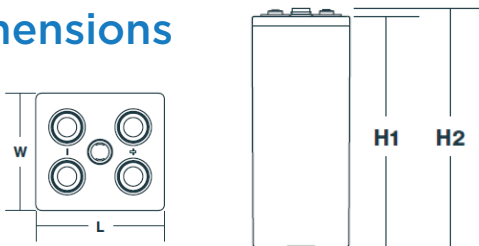




2V0500

BATTERY SPECIFICATIONS

Dimensions



Specifications

| | |
|-----------------------|---|
| Nominals Voltage | 2V |
| Number of Cells | 1 |
| Design Life | 18 years |
| Normal Capacity 25° | |
| 20 Hr rate (1.75V) | 679Ah |
| 10 Hr rate (1.75V) | 605Ah |
| 5 Hr rate (1.75V) | 538Ah |
| CCA at 0°C | NA |
| Dimensions | 166(L) x 206(W) x 471(H1)mm |
| Weight | 40.8kg |
| Terminal | Insert - M10 |
| Torque Setting | 22Nm |
| Charge voltage | Cycle: 2.33-2.40V at 20°C Float: 2.25V at 20°C |
| Internal resistance | 0.43mΩ 25°C - Fully charged Battery |
| Operating Temperature | -20°C to +45°C |

Discharge Constant Current (Amperes at 25°C)

| End Point Volts / Cell | 15 min | 30 min | 1 hour | 3 hour | 5 hour | 10 hour | 20 hour |
|------------------------|--------|--------|--------|--------|--------|---------|---------|
| 1.75V | 452 | 385 | 292 | 149 | 102 | 59.3 | 33.4 |

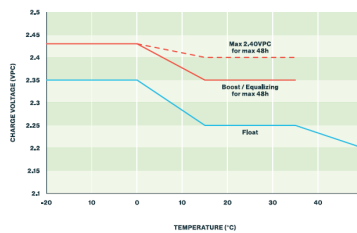
Discharge Constant Power (Watts at 25°C)

| End Point Volts / Cell | 15 min | 30 min | 1 hour | 3 hour | 5 hour | 10 hour | 20 hour |
|------------------------|--------|--------|--------|--------|--------|---------|---------|
| 1.75V | 780 | 663 | 509 | 271 | 189 | 112 | 63.8 |

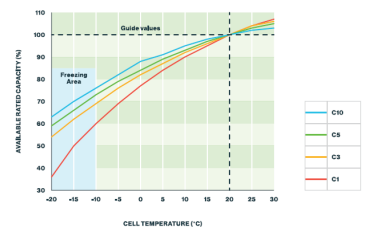
(However it is recommended that the batteries be operated in the temperature range of 20 to 30°C to obtain full life and optimum performance.)

VALEN OPzV 2V500Ah

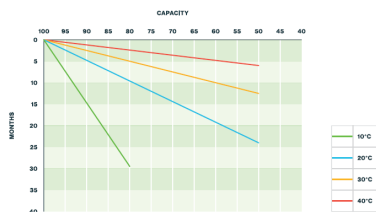
Charging voltage vs. Temperature



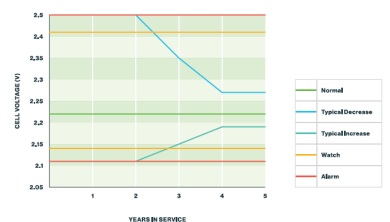
Capacity vs. Temperature



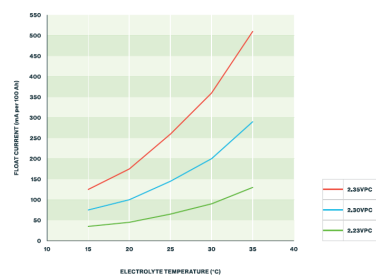
Self discharge at different temperatures



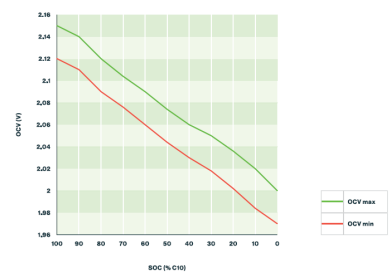
Float voltage deviation vs. Years in service



Float current: Residual charge current



Storage: Determine the state of charge



Specifications subject to change without notice.