

# ENVIROX-CELPLUS 12V190Ah

## 12EO+FT190

- The Valen ENVIROX-CELPlus range features a rechargeable, deep cycle, Valve Regulated Lead Acid (VRLA) battery. Advanced Graphitic Carbon and Carbon Black Blend in the active material allow the ENVIROX-CELPlus to recharge faster, increasing the batteries efficiency for operation in harsh environments.
- Designed for endurance in higher temperature standby environments of up to 65°C.
- Shock resistant and flame retardant casing have been utilised in the construction of the Valen ENVIROX-CELPlus battery to increase its resistance to the outside temperatures.
- Maintenance-Free Design
- Inclusion of Carbon allows for an extremely long float life performance with a 15-year standby design life.
- FAA and IATA Approved and is safe for air transportation

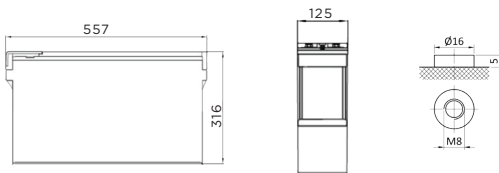




# 12E0+FT190

## BATTERY SPECIFICATIONS

### Dimensions



### Specifications

|                       |   |
|-----------------------|---|
| Nominals Voltage      | 12V   |
| Number of Cells       | 6   |
| Design life           | 15 years                                      |
| Normal Capacity 25°   |   |
| 20 Hr rate (10.5V)    | 205.2Ah                                       |
| 10 Hr rate (10.5V)    | 191.9Ah                                       |
| 5 Hr rate (10.2V)     | 168.5Ah                                       |
| Dimensions            | 557(L) x 125(W) x 316(H)mm                    |
| Weight                | 62kg  |
| Terminal              | Insert - M8                                   |
| Torque Setting        | 7Nm   |
| Charge voltage        | Cycle: 14.1V at 35°C<br>Float: 13.44V at 35°C |
| Internal resistance   | 3.9mΩ 35°C<br>- Fully charged Battery         |
| Electrolyte           | Sulphuric Acid                                |
| Operating Temperature | -20°C to +65°C                                |

#### Discharge Constant Current (Amperes at 35°C)

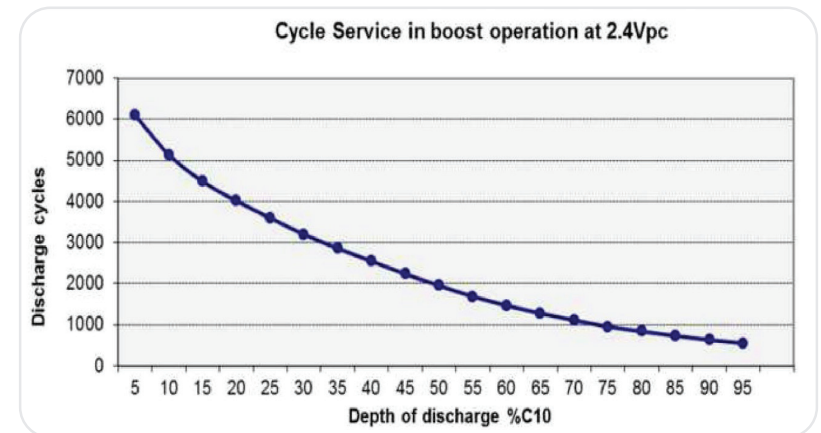
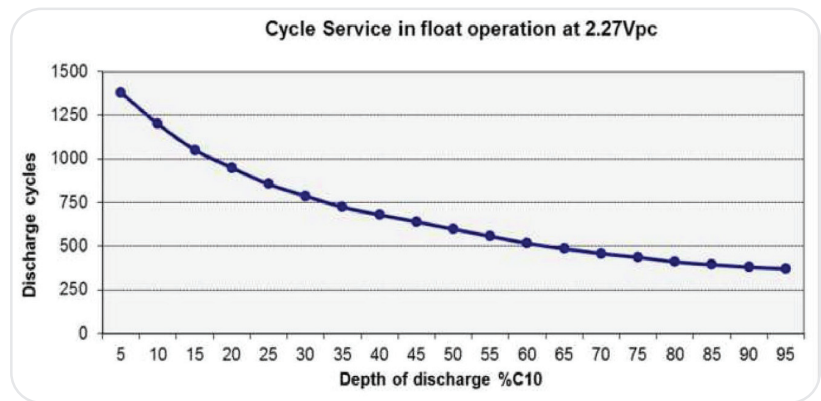
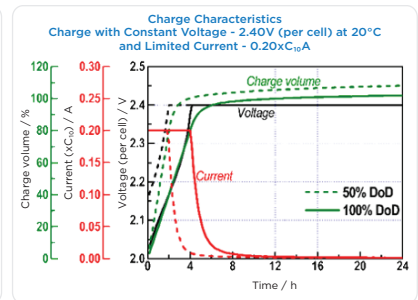
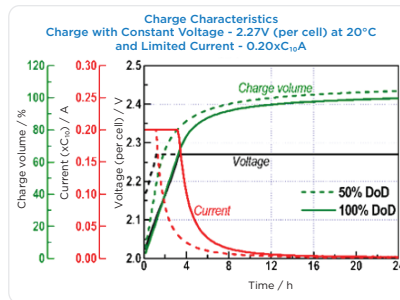
| End Point Volts / Cell | 15 min | 30 min | 1 hour | 3 hour | 5 hour | 10 hour | 20 hour |
|------------------------|--------|--------|--------|--------|--------|---------|---------|
| 1.75V                  | 212    | 152    | 92.4   | 39.4   | 26.4   | 15.2    | 8.10    |

#### Discharge Constant Power (Watts at 35°C)

| End Point Volts / Cell | 15 min | 30 min | 1 hour | 3 hour | 5 hour | 10 hour | 20 hour |
|------------------------|--------|--------|--------|--------|--------|---------|---------|
| 1.75V                  | 425    | 303    | 185    | 78.4   | 52.7   | 30.3    | 16.2    |

(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.)

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Specifications subject to change without notice.