



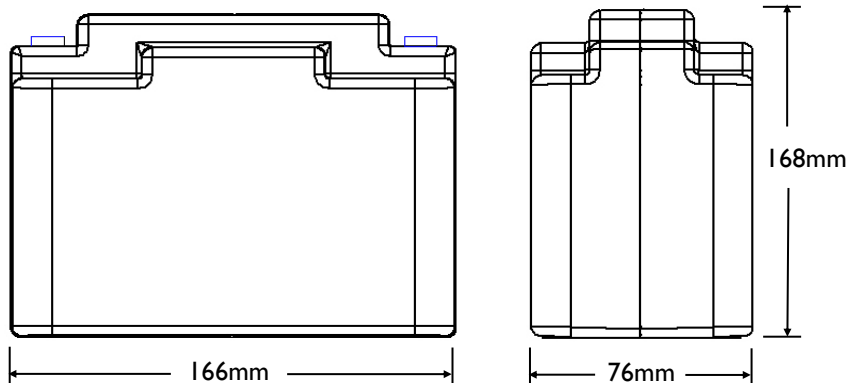
# ETX-Series Lithium Batteries

# ETX900-VNT

▶ DIMENSIONS

Brass terminal: 12mm wide, 3mm high

Screws: M6 (6mm dia., 10mm length)



The ETX900-VNT designed for in cabin installations! This battery is based on the ETX900 design with the same cranking, capacity and electronic protections (BMS) but also has a *thermal runaway containment and venting system*. It is **5.4 pounds** and can be used in an aircraft with an 80 amp or less output alternator and 550ci or smaller engine. The ETX900-VNT meets all of the DO-347 lithium battery use in aircraft testing requirements. This is not a TSO part number.

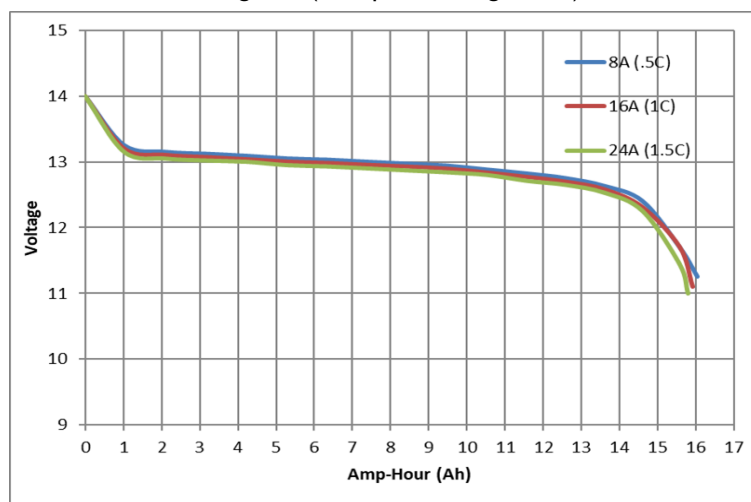


▶ SPECIFICATIONS

| Specifications                                       |                                                                                 |
|------------------------------------------------------|---------------------------------------------------------------------------------|
| Voltage                                              | 13.2V                                                                           |
| Capacity                                             | 16Ah (See charts)                                                               |
| Capacity vs Temperature                              | 25 °C = 100%<br>0°C = 97%<br>-30°C = 95%                                        |
| Self-Discharge Rate                                  | < 3% / month @ 25 °C                                                            |
| Pulse Crank Amps (PCA)                               | 840A (3 sec @ 25 °C, voltage >9V)                                               |
| Cold Crank Amps (CCA)                                | 400A (modified SAE test, 3 sec @ 0°F, volts >7.2V)                              |
| Continuous Discharge Amps                            | 150A                                                                            |
| Standard Charge Voltage                              | 13.9 - 14.6 V                                                                   |
| Maximum Charge Voltage                               | 15V                                                                             |
| Recommended Charge Amps                              | 5 - 20A                                                                         |
| Max Charge Amps                                      | 80A (from vehicle charging system)                                              |
| Life (Charge cycles, 80% depth of discharge)         | 4000 cycles @ 1C discharge rate, 25°C<br>2000 cycles @ 10C discharge rate, 25°C |
| Life (Years)                                         | Up to 6 Years                                                                   |
| Weight                                               | 5.4 lb. (2.4Kg)                                                                 |
| Dimensions                                           | 6.5 in (L) x 3 in (W) x 6.6 in (H)<br>166mm(L) x 76mm (W) x 168mm (H)           |
| Environmental Rating (resistance to water intrusion) | IP 66 (wash down with a high pressure washer)                                   |
| Operating Temperature                                | -30 °C to +60 °C                                                                |
| Storage Temperature                                  | -40 °C to +70 °C                                                                |
| Maximum Altitude                                     | 50,000 Ft                                                                       |

## Discharge Characteristics

Discharge Ah (multiple discharge rates)



Discharge Minutes (multiple discharge rates)

