

# INTRINSICALLY SAFE BATTERY BT-IS



## General Description

Battery package containing two 3.6V Lithium Thionyl Chloride primary cells wired in series to produce a maximum voltage of 7.2V. The two-cell package is wrapped in an outer heat shrink wrap and label applied.

## Individual Battery Cells

Manufactured by: XENO Energy. size: AA Model XL-060F  
Chemistry: Lithium Thionyl chloride (Li-SO<sub>2</sub>Cl)  
Capacity: 2400mA-hr (at 2mA/20 /68 /2.0V cut-off)  
Temperature: -40°C to +85°C  
Approvals: UL, CSA  
Shelf life: 20years  
Approvals: UN 38.3, UL 1642, ULMH28122, IEC 60079-11, 60086-4, DEKRA BVS testing

## Connector

Model JST-SM manufactured by JST Corporation.  
Model HPN-1899A (plug end)  
Approvals: UL E203793  
Wire Insulation material PTFE, min. thickness 0.33 mm

## Battery Package

Nominal Voltage: 7.2VDC  
Temperature: -40°C to +60°C  
Approvals: (when used with Gizmo Engineering products IS-T, IS-D, IS-AB) CAN/CSA-C22.2 No. 0-10, CAN/CSA-C22.2 No. 60079-0-15, CAN/CSA-C22.2 No. 60079-11-14, ANSI/ISA-60079-0 (12.00.01)-2013, ANSI/ISA 60079-11 (12.02.01)-2014, CAN/CSA C22.2 No. 61010-1-12, ANSI/UL 61010-1, 3rd Ed