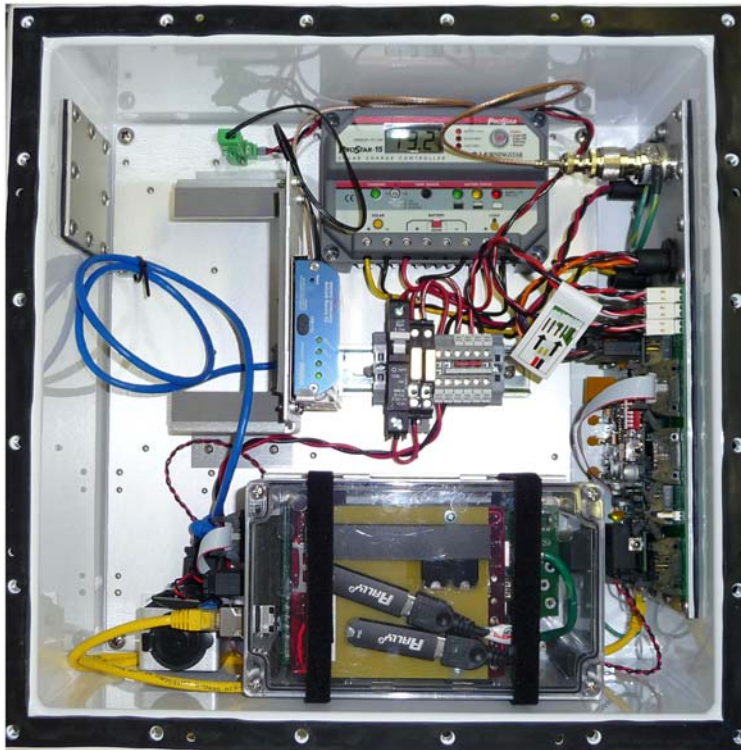


## *Q330 Interface Enclosure (VIE, Ibox)*

### *Description*

The Q330 Vault Interface Enclosure (VIE, or rather, Ibox) is a protected housing unit for electronics and auxiliary equipment. The economical packaging allows flexibility and reliability for small ancillary devices. The enclosure protects commercial modems, or radio charge controllers and circuit boards. Because it acts as a field replaceable unit, troubleshooting becomes simplified. In conjunction with the Ibox, the peerless performance of the Q330 in the IRIS/USArray program established an unchallenged reputation for 24/7 delivery of high quality data.



### *Features*

**16x16x8" Enclosure, hangs inside vault.**

- *IP68, 0.5" Lexan Clear lid, bulletproof!*

**Q330 interfaces converted to industrial standard connections;**

- *IDC flat ribbon, RJ45*

**Custom power regulation circuit**

- *Fault free switchover to alkaline backup battery*
- *Signaling via existing data channels for power SOH*
- *Sensor power regulation, filtered power for Q330 and Baler*
- *High efficiency regulation, load shedding/mode switch on backup power*
- *Independent fault isolation of powered devices.*

### *Station Integration*

- Integration of new Baler44CT, Environmental sensor
- Simplified Data collection via new Baler44
- Reset power cycle for comms equipment
- Remotely controlled power interrupt for sensor
- Monitor and signaling of pump operation

### *Uniform cabling for installation*

- MS style connectors, molded termination

*Commercial production in large runs; Enclosure, cables, PCB, testing, etc*

- Custom cable fabrication, custom metal, factory assembly and testing.