

# Cell Voltage Monitoring

Greenlight Innovation has released a new patent-pending, high accuracy, high channel count voltage monitoring system capable of high speed voltage data acquisition. Applications include voltage monitoring of high cell count batteries and fuel cells, as well as general purpose data acquisition.



## CVM specifications:

- **Common Mode Voltage:** 1000VDC
- **Input Voltage Range:** +/-5V per cell
- **Channel Input Impedance:** 1M $\Omega$
- **Channel Accuracy:** +/-1mV
- **Communication:** Ethernet / CAN Bus
- **16 or 32 channel modules** can be connected for up to 1000 channels

## DAQ features:

- **Channel to channel sampling delay:** 0ms (all channels sampled simultaneously)
- **Sampling rate (continuous):** up to 100Hz
- **Sampling rate (burst mode):** 1000Hz
- **16 bit A/D resolution**

## Hardware features:

- **Alarm relay output** (NC contact, configurable conditions for output)
- **Trigger input** (triggers burst mode DAQ)
- **Separate terminals for Channel 1(-) and Channel 32(+)** simplifies connection of multiple CVM modules in series configuration.

