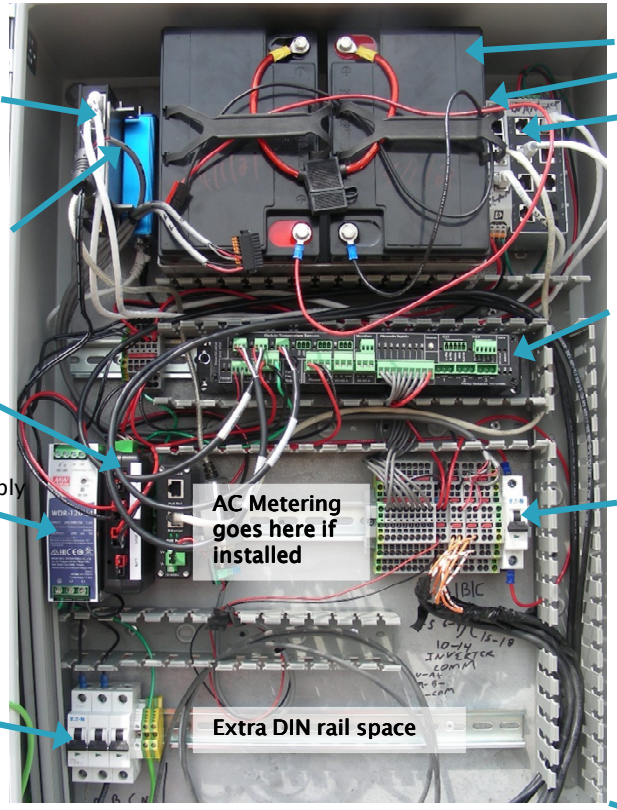
SolarSCADA

Fully Modular SCADA specifically for Solar



12 or 24VDC Battery Bank
WAN Ethernet Switch (DHCP)
LAN Ethernet Switch (We provide IP info)

SSI Input module
6x Back of Module Sensors
3-wire RTD or Thermocouple
2x 24-bit Analog Pyranometer inputs
uV,mV,1VDC,5VDC,10VDC,mA
1x Weather Station SDI-12 input
8x 12-24VDC Opto-Isolated Discrete Ins
Incl. 2x KYZ pulse inputs
3x 120 VAC Relay Outs
2x Isolated RS-485 feedthroughs
Full galvanic isolation for all field terminals

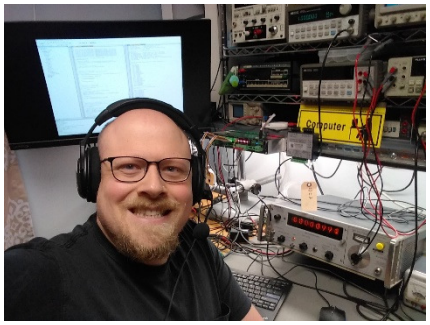
Field IO
Cage Clamp Terminals for external RS-485

SolarSCADA offers all the hardware and software illustrated here as a turn-key package. This includes:
- IEC 61724-1 Compliant input Met Station data
- AC power metering
- AC/DC/Solar standalone operation
- Private IoT SIM for data upload
- Access to our web portal
- Real Time data updates with high resolution historian (5-30 second polling standard, depending on device, poll times <100msec possible, stored in historian at deadbands determined by instrument accuracy specs)
- Inverter communications
- Secure VPN and forwarding for inverter remote access
- Custom time interval Web, CSV, Excel, and API data access standard
- Easy interface for Relaying and Protection Equipment
- Low Rate site image upload available as option

SolarSCADA has shipped ~50 projects in six states since our founding in 2018

We're seeking the HeroX prize to upgrade our V03 Hardware (shown) to V04, and move from "home made" to a commercial-friendly offering

SSI + 3 way UPS are in-house developed hardware devices specific to our product offering, built under contract by US-based manufacturing facilities, or in my lab by hand.

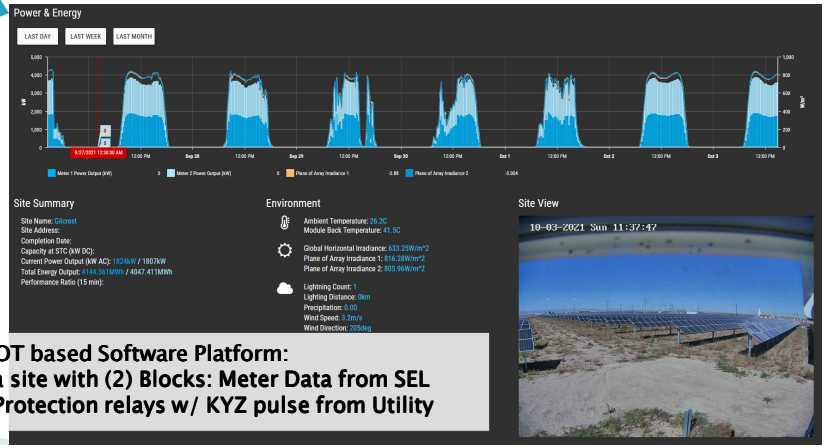


Mr. Linder, SolarSCADA's founder and sole employee, Validating the KYZ pulse input for the SSI

SolarSCADA Hardware:

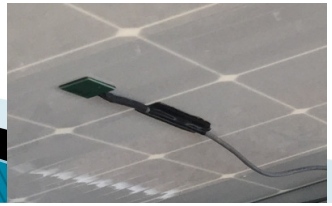
Install 1 panel per AC block:
Large sites = copy'n'paste identical panels

~400 real-time points / MW via our secure VPN



Radix-IOT based Software Platform:
This is a site with (2) Blocks: Meter Data from SEL Feeder Protection relays w/ KYZ pulse from Utility

Weather Station + Fixed Tilt Pyranometer Mounting

Tracker-Mount POA / RPOA Pyranometer Bracket

Pre-Calibrated / Ready to install Module Temperature Sensors