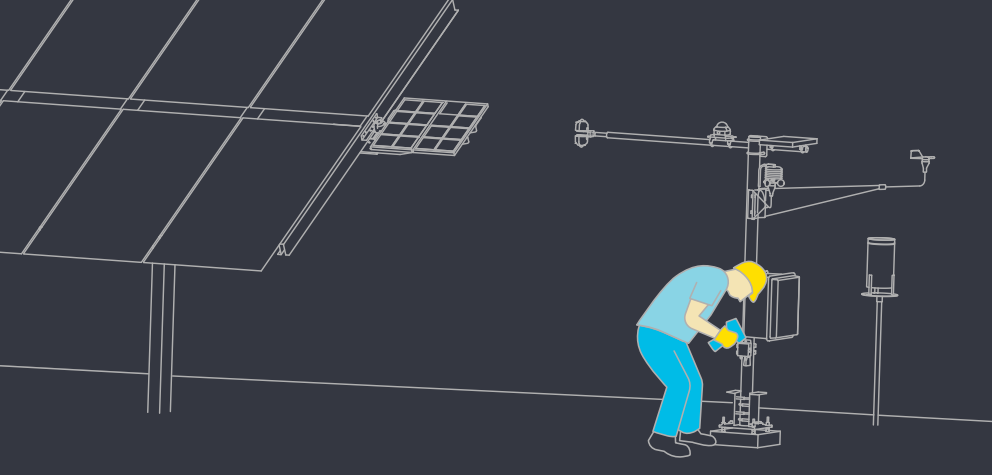# LOGR-S DATA LOGGER

NRG Systems' LOGR-S Data Logger is an advanced data logging system for monitoring the solar resource on operational, utility-scale PV plants.

Key Benefits:

- High-utility data logger and real-time sensor interface for solar resource monitoring

- Purpose-built, modular platform delivers straightforward functionality

- Flexible and scalable design accommodates each project's unique requirements

- Accurate and reliable data collection for critical measurements
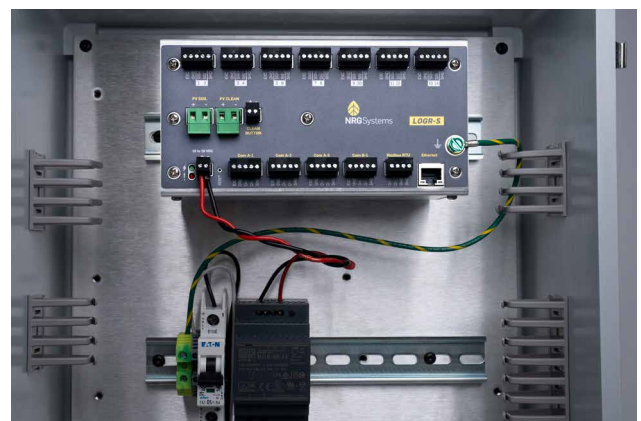
NRGSystems.

LOGR-S integrates with NRG's Solar Resource Monitoring System and industry-standard solar sensors, allowing users to plug into their SCADA network with ease.

CAPABILITIES:

Data Collection	1 Hz sampling, 1-minute averaging (IEC 61724-1 compliant)
Real-Time Clock	Internal battery-backed with time synchronization
Data Storage	90 days (all data with maximum configuration)
Channel Capacity	• Fourteen (14) analog channels (single-ended); Seven (7) differential • Twenty-four (24) serial channels via two (2) RS-485 communication ports • Two (2) PV input channels (soiling measurement) • Ten (10) calculated channels plus dedicated soiling ratio calculation • Counter channel support coming soon
Data Delivery	• Real-time data delivery via Modbus registers (TCP via Ethernet or RTU via RS-485) • Scheduled delivery of historical data via FTP • On-demand transfer of historical data via internal web server to FTP
Software	• Onboard web server for logger configuration and administration • Modbus Demo Client to test configured unit prior to connecting to SCADA
Communication Ports	• Ethernet port for web browser, FTP, Modbus TCP (server) • RS-485 port for Modbus RTU (server)

Backed by NRG's 2-year warranty & Technical Support

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ISO 9001: 2015 Certified
ISO 14001: 2015 Self-Certified

NRGSystems®