

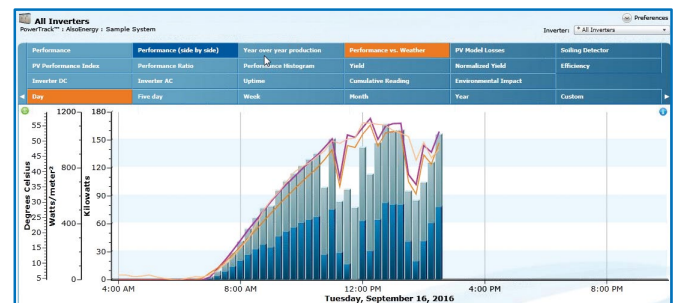
PowerLogger 1000

Interactive Datalogger

Interactive Gateway for Monitoring Commercial Renewable Energy Systems



PowerLogger 1000 is the new standard gateway device for AlsoEnergy's **Commercial PV Monitoring Solution**. Time-saving features include an interactive touch screen LCD display, which allows workers on site to interact with the system without the need for a laptop computer. Remote operation and diagnostics reduce onsite efforts throughout the project lifecycle, and automated configuration simplifies the installation process. The PowerLogger is typically mounted in an ETL-listed NEMA4 enclosure and combined with components such as power supply, cellular modem, network switch, and a revenue grade meter to make up a complete monitoring solution. AlsoEnergy integrated hardware solutions are extensively tested, listed to UL standards, and come with a standard 5-year warranty.



PowerLogger 1000 Capabilities

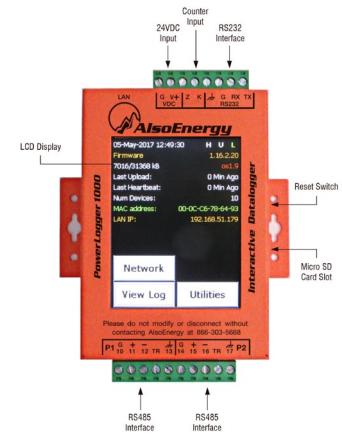
- Sends real-time field data and diagnostics information to AlsoEnergy PowerTrack software platform
- Interactive touch display for field troubleshooting and commissioning
- Fully automated configuration
- Local data storage eliminates data gaps from lost network connectivity events
- Manual remote control for clearing inverter faults, turning inverters off and on, and operating switchgear where permitted

Integration with PowerTrack Software

- The PowerLogger 1000 is designed for use with our cloud-based PowerTrack software platform.
- User-adjustable sampling rates down to one minute.
- PowerLogger 1000 enables the complete PowerTrack feature set. AlsoEnergy clients use PowerTrack software to increase yield, reduce maintenance costs, and save time and money on asset management workload.

PowerLogger 1000

Specifications



General

Devices supported	Up to 40 devices
Storage	Removable 2GB industrial rated micro SD card
Logging interval	Configurable down to 1 minute
Offline storage	2GB card provides approximately 35 days offline storage with 40 field devices logging at 1 minute intervals
Touch screen	Color, resistive touch screen 2" by 2.75"
Configuration	Remote automated configuration; local network setup
Firmware management	Remote firmware update capability

Interfaces

Ethernet	One 10/100 Ethernet port
Serial	Two 2-wire RS485 ports with integrated 120 ohm termination resistor; One standard 3-wire RS232 port
Primary protocols	Modbus TCP, Modbus RTU, DNP3, HTTP, HTTPS, Telnet, FTP, SNMP, proprietary inverter protocols
Discrete I/O	One discrete input port configurable as general purpose input

Mechanical

Dimensions	3" tall x 2" wide x 1" deep
Construction (Chassis)	DIN rail mountable metal 3" tall x 2" wide x 1" deep

Environmental Rating

Operating Temperature	-40 to 85°C (-40 to 185°F), 10 – 90% relative humidity non-condensing
Storage Temperature	-40 to 85°C (-40 to 185°F)

Electrical

Input Voltage	12/24VDC nominal (8-33VDC)
Power Consumption	< 1.7W
Surge protection	Designed with protection against transients and ESD for use in harsh environments

Regulatory

Warranty	Standard 5 year warranty
Listings	Listed to UL 60950-1, CSA C22.2; FCC Part 15 Subpart B Class A

