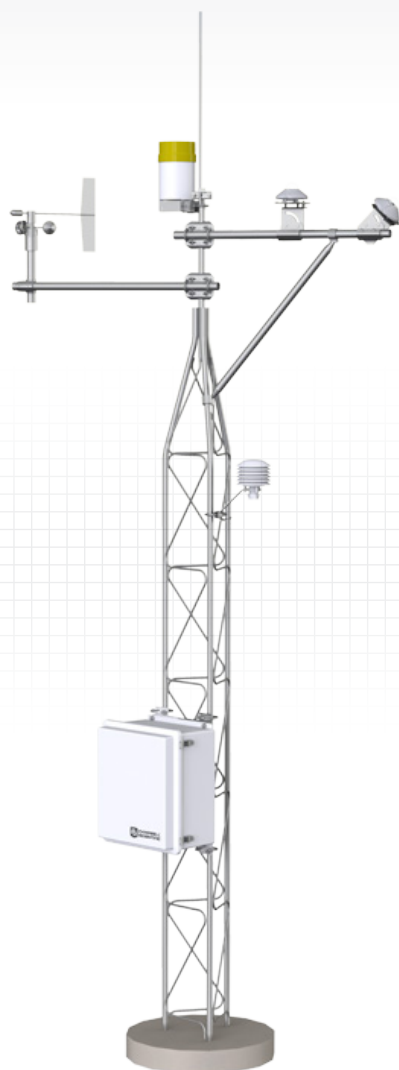




Solar1000

Solar Monitoring Station

Robust, Reliable, High Accuracy Operational MET Station for Solar Energy Producing Utilities



Solar1000
Standard CAISO



Solar1000-SCE Meets
CAISO, SCE Compatible



Solar1000 Customized for PG&E

Overview

The Solar1000 is a configurable, turn-key solar measurement data acquisition station specifically designed to meet utility and industrial standards for solar monitoring applications, including power performance monitoring and operational assessment.

Built with fast to field features, delivered with complete system documentation including system drawings, wiring diagram, and installation guide, and supported by Campbell Scientific's experienced Application Engineers, the Solar1000 simplifies the high accuracy, high demand requirements of utility MET monitoring.

Configurable Any Spec or PPA

- CAISO PIRP
- Southern California Edison
- Pacific Gas & Electric
- San Diego Gas & Electric
- Arizona Public Service
- MidAmerican Energy
- Duke Energy
- NextEra Energy
- Austin Energy
- Long Island Power Authority

specs, questions, & quotes: 435.227.9120

www.campbellsci.com/solar1000



Common Measurements Options

- › Global Horizontal Irradiance (GHI)
- › Plane of Array Irradiance (POA)
- › Diffuse Horizontal Irradiance (DHI)
- › Direct Normal Irradiance (DNI)
- › Back of Module Temperature (BOM)
- › Soiling
- › Air Temperature
- › Relative Humidity
- › Wind Speed
- › Wind Direction
- › Precipitation
- › Solar Position
- › Barometric Pressure
- › Visibility
- › GPS Time and Position
- › Snow Level
- › Inclination/Position
- › Sensor and Communication Fault Detection

Common Features and Options

- › SCADA Protocols (Modbus, DNP3, and others)
- › One Second Measurement, Data Delivery and Storage
- › Wireless SCADA Connectivity
- › Ethernet Connectivity
- › Cellular Connectivity
- › Fault Detection and Reporting
- › AC and/or Autonomous DC Power Supply
- › Operator's Manual and Installation Guide
- › Technical Sales and Commissioning Support
- › Engineering Services Available
- › Contract Manufacturing Services Available



Any Configuration, Any Measurement, Any Data Transfer Media and Protocol

The Solar1000, based on the Campbell Scientific CR1000 Measurement and Control Datalogger, is completely customizable, allowing station configuration to meet your project's specifications, while retaining turn-key functionality. Nearly every aspect of the system is customizable, including sensors, communications, mounting, and power supply. Campbell Scientific dataloggers are the most versatile measurement platforms available. Any sensor can be measured and

the data can be retrieved and sent over many different media, using any number of different protocols.

Turn-key measurement solutions such as the Solar1000 are built using industrial best practice system fabrication methods to our client's specification. System documentation, including schematics, wiring diagrams, and installation guides are offered.

