



Solar1000-SCE

SCE Compatible Solar Monitoring Station



CAISO, SCE Compatible Operational MET Station for Solar Energy Producing Utilities

Sensors / Equipment

- Heated Wind
- Air Temperature
- Relative Humidity
- Total Global Plane of Array Irradiation (one per collector plane)
- Total Global Horizontal Irradiation
- Diffuse Radiation
- Solar Altitude Angle
- Solar Azimuth Angle
- Precipitation
- Back of Module Temperature
- Soiling (Optional)

Overview

The Solar1000-SCE is a meteorological station that meets or exceeds CAISO PIRP standards and is compatible with SCE Exhibit T Meteorological Station Specifications. Although offered as a turn-key package,

the Solar1000-SCE retains the powerful, module nature of the Campbell Scientific product line. Nearly every aspect of the station is customizable, including sensors, communications, mounting, and power supply.

Features

- › Station designed to minimize field wiring errors and reduce deployment time
- › Wiring diagram, system drawings, and support documentation included
- › Technical sales and commissioning support from Campbell Scientific application engineers included
- › Station factory fabricated and tested prior to shipment

Attributes

- › Campbell Scientific CR1000 or CR3000 Measurement and Control Datalogger
- › Battery-backed system sized to allow data collection during power outages and network failure
- › Any communication technologies such as TCP/IP, RS-485, fiber, cellular, satellite, and radio supported
- › Compliant with Modbus, PakBus, and DNP3 protocols
- › One second data delivery, storage, and management operation

specs, questions, & quotes: 435.227.9120

www.campbellsci.com/solar1000



Typical Configuration

- 1 CR1000 Measurement and Control Datalogger
- 2 SCADA Connectivity via Modbus and DNP (wireless and remote options available)
- 3 Uninterruptible Power Supply (solar panels available)
- 4 Robust Instrumentation Tower and Mounting Hardware
- 5 Heated Wind Sensor
- 6 Air Temperature Sensor
- 7 Relative Humidity Sensor
- 8 Barometric Pressure Sensor
- 9 Total Global Plane of Array Irradiation Sensor (one per collector plane)
- 10 Total Global Horizontal Irradiation Sensor
- 11 Diffuse Radiation Sensor
- 12 Precipitation Sensor
- 13 Back of Module Temperature Sensor
- 14 Soiling (Optional)



See Also

Solar800

Solar Resource Assessment Station with turn-key functionality and data collection



CSP100

Power Plant Assessment Station with the best possible solar resource measurements.

