

MetPak Pro® Weather Station for utility scale solar plants

Monitors the real-time weather conditions known to affect panel efficiency



Weather Measurement Parameters

- ❑ Wind Speed
- ❑ Wind Direction
- ❑ Air Temperature
- ❑ Humidity
- ❑ Dew Point
- ❑ Rainfall

Integrate Third Party Measurements

- ❑ Solar Plane of Array
- ❑ Solar Horizontal Irradiance
- ❑ PV Panel Temperature

Benefits

- ❑ The MetPak Pro weather station provides real-time weather data to support power forecast systems
- ❑ Improves short term and intra-hour forecasting allowing you to respond to real-time power fluctuations
- ❑ Instant detection of sudden high winds or increasing wind speed due to low front conditions or storm down-bursts
- ❑ Effectively operates in environments with high concentrations of dust and sand

Features

- ❑ Meets IEC 61724-1 sensor specifications
- ❑ Multi-sensor professional weather station with inputs and mounts for additional third party sensors
- ❑ Can be relied upon for maintenance free and zero drift performance over long in-service operating periods
- ❑ Integration using common networking protocols

How it can help you

Professional meteorological data can help Solar Plant Managers estimate efficiency gains and losses due to the weather.

You can connect weather data to other historical data sets for statistical analysis and forecasting.

