

SOLAR POWER FORECAST

Accurate solar power forecastings for sites worldwide



Raising efficiency and optimizing costs for energy producers, system operators and trading companies

Solar power accounts for an increasingly large share of today's energy mix with an increased relevance for network control and power plant management. Accurate solar yield forecasts are crucial for ensuring a perfect balance of energy requirements from multiple sources. The result: Cost-reduction in the expensive operating reserve area and ensuring more efficient trading.

ACCURATE SOLAR POWER FORECAST

A sophisticated and reliable method of forecasting photovoltaic yield, that has been developed in cooperation with the university Oldenburg, combines highly accurate meteorological data with the actual yield of more than 45.000 PV systems. The amount of available data in this form is unique among solar power forecasts.

HIGHLY ACCURATE METEOROLOGICAL DATA

You benefit from the global radiation measurements of the national weather services and the measured values from around 1.600 of Meteo-Group's own weather stations.

REPRESENTATIVE CALCULATION BASIS

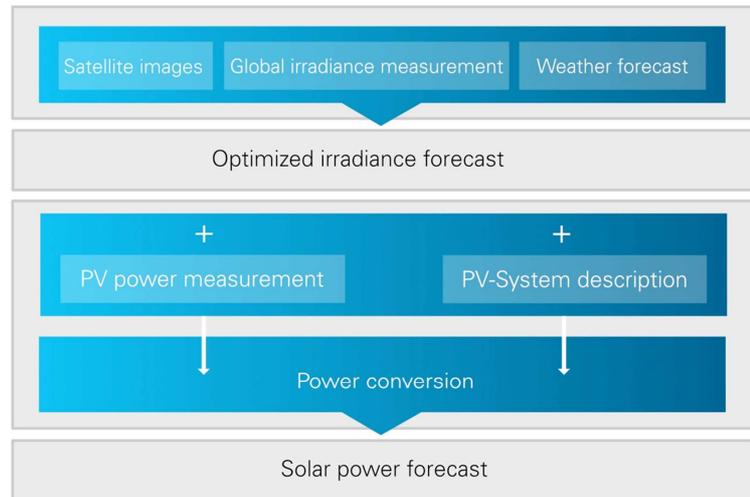
With more than 13 GWp of monitored power, meteocontrol GmbH is the market leader for professional monitoring of PV systems. The company has access to yield values as well as the azimuth and tilt data of all monitored systems. This provides a representative number of solar yields for the Solar Power Forecast. This provides added value for network control.

RELIABLE SOLAR POWER FORECAST

Based on the recorded data, solar yields can be forecasted reliably up to seven days in advance – for individual systems and system portfolios. The forecasts are based on algorithms for machine learning and facilitate more accurate forecasts compared to conventional approaches by combining different models.

HOW IT WORKS

An accurate forecast of all the PV systems in your area is produced on the basis of combined irradiance forecasting systems (e.g. ICON, ECMWF-IFS HRES, GFS, Euro4, GEOS-5, Arpege and Arome) and the measured values from the meteocontrol system-pool.



ITEM NO

Day-Ahead / Intraday

320.406 Basic charge

Day-Ahead inc. Intraday Forecast

320.400 Solar Power Forecast

Intraday Optimized

320.430 Short term forecasts

Further information: www.meteocontrol.com