
SOLAR POWER FORECAST

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



CO-OPERATION
PARTNER



mc | meteo|control |
Energy & Weather Services

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

In cooperation with Meteomedia, meteocontrol has developed a sophisticated and reliable method of forecasting photovoltaic yield. Highly accurate meteorological data is combined with the actual yield of more than 32,000 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 830 of Meteomedia's own weather stations in Central Europe. In addition, the forecasts are further refined utilizing a special forecast model, the Meteomedia-MOS.
- > **Representative calculation basis:** With more than 7.1 GWp of monitored power, meteocontrol 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.
- > **Reliable Solar Power Forecasts:** Based on the recorded data, solar yields can be forecast reliably up to four days in advance – for individual systems, supply areas, grid control areas or country-wide.
- > **Online monitoring:** Transmission of the current energy values every 15 minutes allows short notice forecasting of the fed-in energy volume. Due to the permanent comparison of forecast and actually generated electricity volume, the yield forecasts can be defined on an ongoing basis.

HOW IT WORKS

An accurate projection of the expected target yield of all the PV systems in your area is produced on the basis of the Meteomedia MOS forecasts and the measured values from the meteocontrol system-pool.

