



PVGuard[®] PRODUCTION FORECASTS



PRODUCTION FORECASTS FOR PHOTOVOLTAIC POWER PLANTS

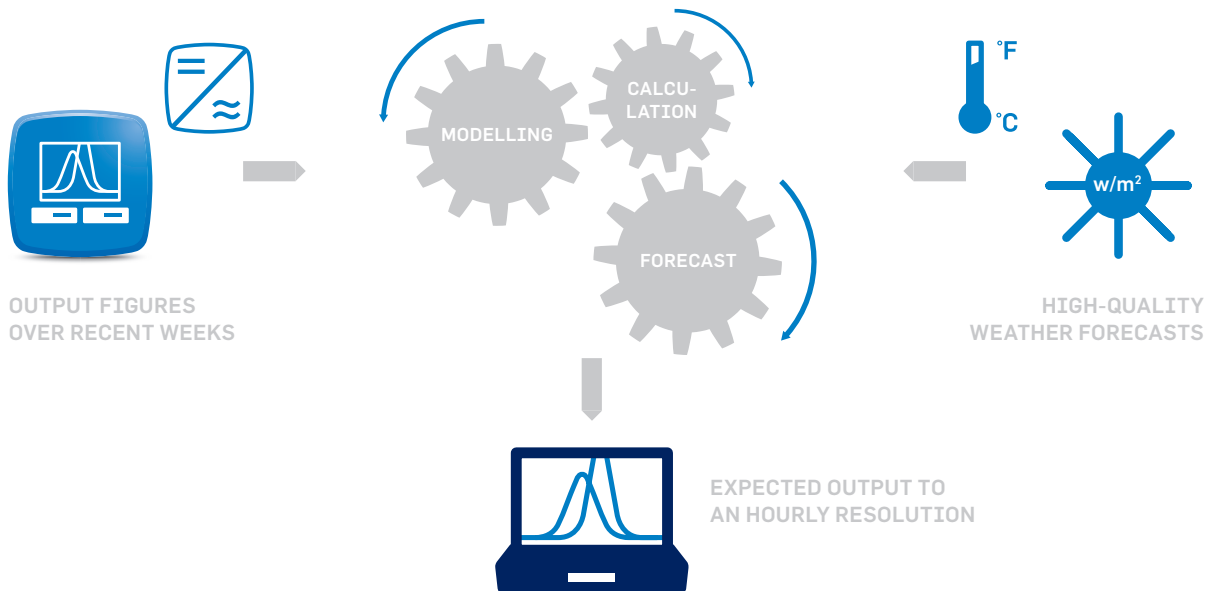
PVGuard® Production Forecasts provide you with reliable information about the expected power output of your PV plants at a particular time – today, tomorrow, or in a few days.

Producing a forecast for a plant's output from irradiation forecasts is a complicated business. The generation characteristics are determined by a whole range of parameters, for example the type, orientation and tilt of the modules, together with the type and behavior of the inverter. With PVGuard® Production Forecasts you get an elegant solution to this complex

problem. An auto-adaptive algorithm creates forecasts of plant output on the basis of the current weather data and the plant's actual output over recent weeks. Forecasts are updated multiple times per day and are available to an hourly resolution for a number of days in advance.

BUSINESS CASES

- 01** Maximizing a photovoltaic plant's return for directly marketed solar power
- 02** Conformance with grid requirements in certain regions (Romania, South Africa etc.)
- 03** Optimization of generation, storage, grid management and usage



PRECISE

High-quality weather forecasts from a leading agency

Enhanced data quality using satellite data

Hourly resolution up to 7 days in advance

Regular updates to forecasts during the day

AUTO-ADAPTIVE

Output forecast based on current weather and production data

Fully automated system modelling of the photovoltaic plant

Continuous adjustment according to varying plant characteristics

INTEGRATED

Seamless integration of forecasts as data channels

Expected plant output

Weather forecasts with irradiation, temperature, precipitation

Easily included in users' own views, analyses and reports