

Assessing Power Output Specification



We have developed a software tool called **APOS photovoltaic StatLab** that provides new and innovative methods for quality control and the analysis of photovoltaic data.

APOS photovoltaic StatLab implements result achieved in a series of research projects of RWTH Aachen University and TÜV Rheinland Group. It is used by leading manufacturers and photovoltaic laboratories devoted to certification as well as research labs, in Europe and the United States. For documentation of the implemented methods see the user manual and our publications.

Statistical key functionalities

- Calculation of optimal acceptance sampling plans
- Flasher data tables are taken into account
- State of the art procedures derived from recent research
- Statistical risk control for manufacturers and end users
- Statistical analysis of laboratory samples as well as flasher report tables
- Easy decision making: Automatic acceptance or rejection of a lot

Key features of the software implementaton

- Polished and easy-to-use graphical user interface
- Visualizaton of the decision process
- Easy data handling of fasher report and lab measurements

- Data visualization supports validation of results
- Integrated data editor
- Simple data exchange with other software (csv standard)