



Simple

- Optimal design for grid-connected PV plants
- Provides tips aimed at system optimization
- Free download

Comprehensive

- Includes comprehensive database of all available PV modules
- Use of high-resolution meteorological data
- Supports locations worldwide
- Automatic dimensioning of the cable lengths and cross sections
- Energy analysis over a period of one operating year

SUNNY DESIGN

Simplified system design made easy

With Sunny Design, designing PV systems is easier than ever. Simply enter all the required information and within a few minutes you will receive the optimal configuration. The free software provides solar professionals and system planners with a user-friendly interface and a practical input wizard helps with any questions. The software provides data for an economic evaluation of the system along with a technical check of the included components. The end customer gains a customized PV system and the solar professional saves valuable time.

Sunny Design contains important SMA inverter data as well as specifications on all currently available PV modules. It is easy to use and guides the planner through the entire design process. This saves time and allows different configuration options to be simulated without the need for complicated calculations. Sunny Design automatically calculates the design values and comes up with a comprehensive result for all design variants.

First, critical operating conditions are identified. This ensures that the planner is notified of any deviations from the standard design. Although this notification does not necessarily mean that the design is not permissible, it serves to indicate that a thorough check is required to see whether this operating state is optimal for the current configuration (e.g. array voltage too low).

Sunny Design enables the system designer to fully concentrate on what plant designing is all about. The software helps to estimate the yield and investment cost implications of the most important performance parameters, creating a tailor-made system for the customer.

Additionally, a realistic operation evaluation is performed over a calendar year utilizing an integrated meteorological database. Although a precise yield forecast cannot be expected from Sunny Design (further simulation programs with complex variable analysis is necessary for this), Sunny Design can determine the yield differences between various designs, including a technical performance verification. Not only can the best system design be found, it can also be evaluated for cost-effectiveness.

Lastly, a technical assessment of the system design is clearly illustrated in an individually customized results report. As a printed document or an electronic PDF file, this summary is the ideal supplement to any offer.

Free download at
www.SMA.de/SunnyDesign









System Requirements

Supported operating systems

Windows XP SP3*
 Windows Vista SP2*
 Windows 7*
 *with .Net Framework 4.0

Hardware (minimum requirements)

Intel Pentium 1 GHz
 1 GB RAM
 100 MB (free hard drive space)
 1024 x 768 pixels / 256 colors

	Use of real, high-resolution meteorological data		Database of current PV modules		Database of all SMA inverters		Provides tips aimed at plant optimization
	Worldwide support		Generation of design proposals		Results report with individual layout for integration into plant quotes		Automatic online updates

SUNNYDESIGNUS12210 SMA and Sunny Design are registered trademarks of SMA Solar Technology AG. Text and illustrations reflect the current state of the technology at the time of publication. Subject to technical changes. No liability for printing errors.