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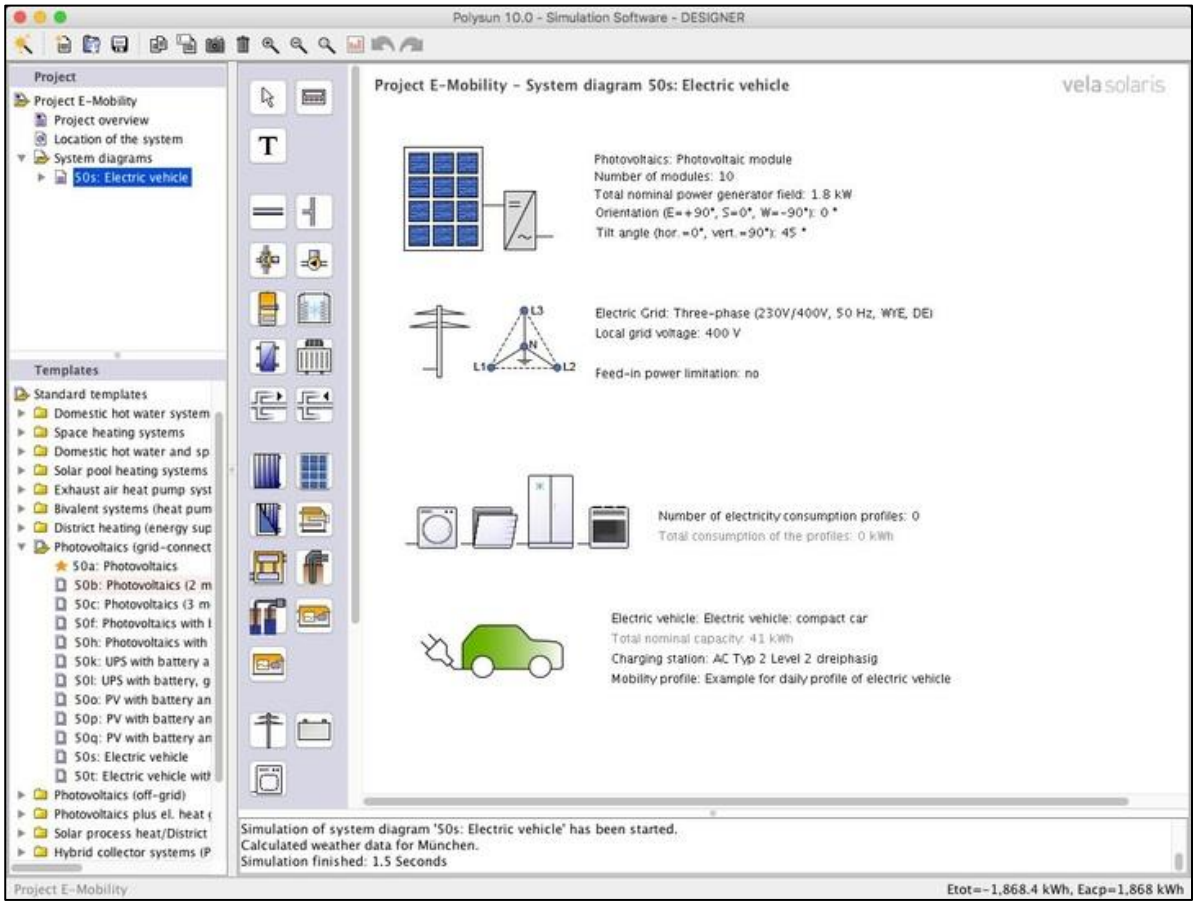
POLYSUN Photovoltaic (PV SYSTEM SIMULATIONS WITH PRECISION):



Features in brief:

- Validated calculation models for photovoltaic modules, inverters and batteries,
- Comprehensive product data bases of photovoltaic modules, inverters and batteries,
- Includes a selection of pre-configured system templates,
- Own systems can be created,
- Easy comparison of simulation results of several system diagrams,
- Detailed evaluation of simulation results per time step, 15 min., hourly or monthly values,
- Real time visualization using simulation analysis and graphic display of results,
- Up-to-date Meteonorm weather data delivered through a web service (worldwide),
- Comprehensive economic calculations including system comparison,
- Calculation of self-consumption based on entries of electric consumption profiles that are accurate down to one-minute-/five-minute-/fifteen-minute-time steps or hourly values,
- Variable prices for energy from the grid and for feed-in-tariffs can be factored in,
- Off-grid systems and simulation of uninterrupted power supply systems
- E-mobility
- Easy to use, simple to handle.

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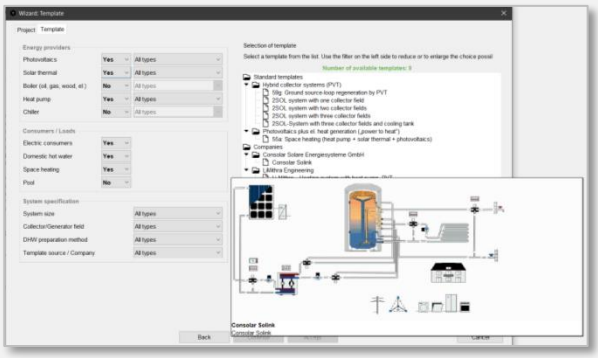
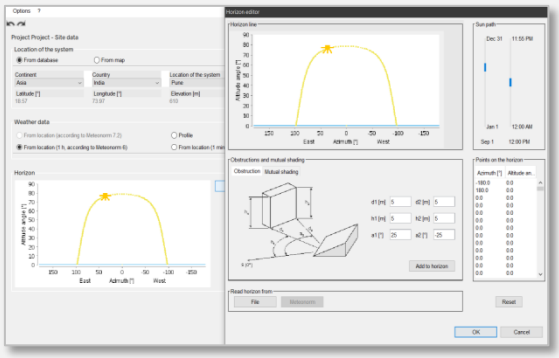
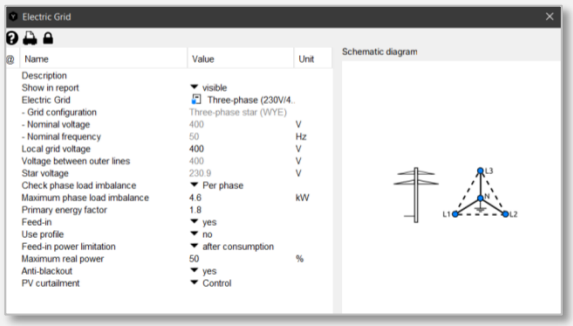
Features and Interface:



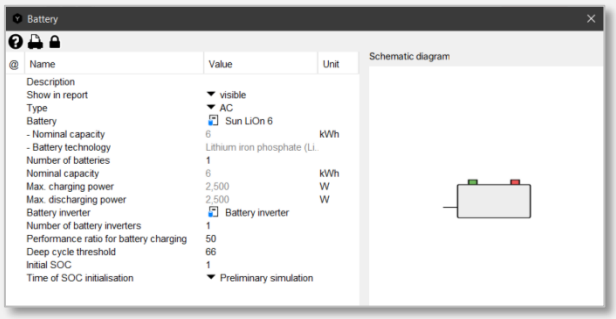
Wizards with Intelligent Filters



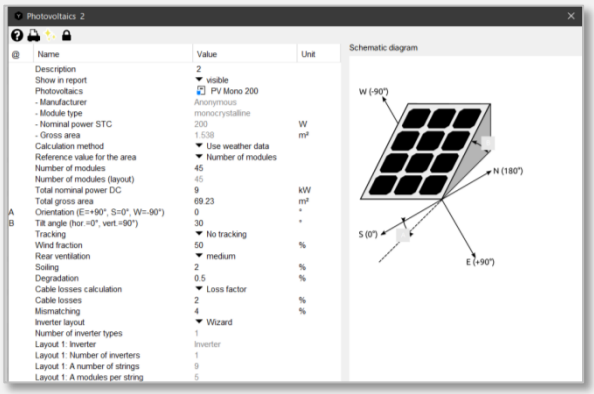
Horizon, Location, Obstruction Shading from Map or Database



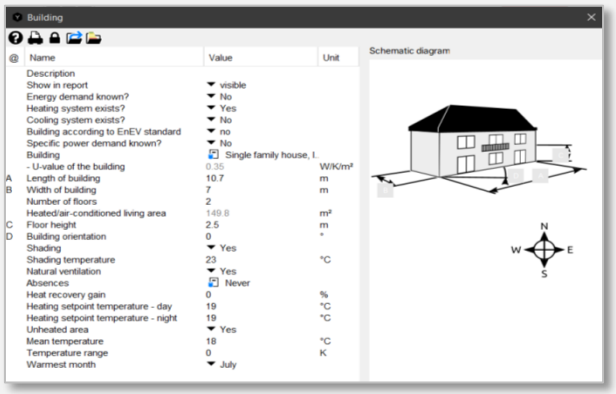
Grid Detailing



Battery Definition



Detailed definition of Photovoltaics



Buildings Data

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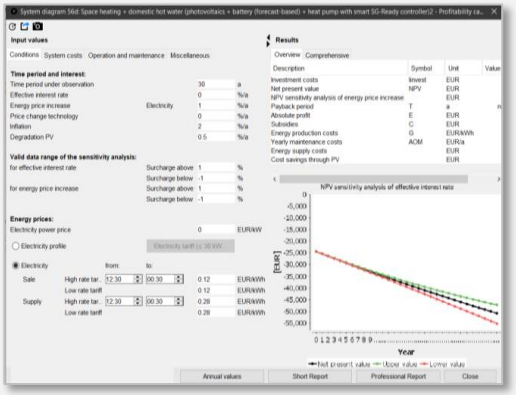
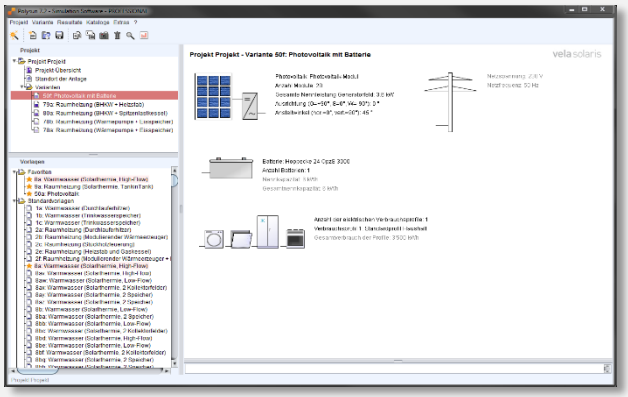
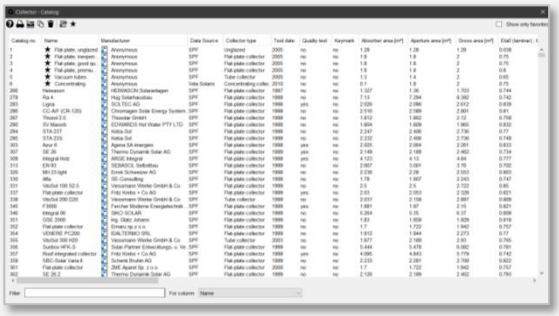


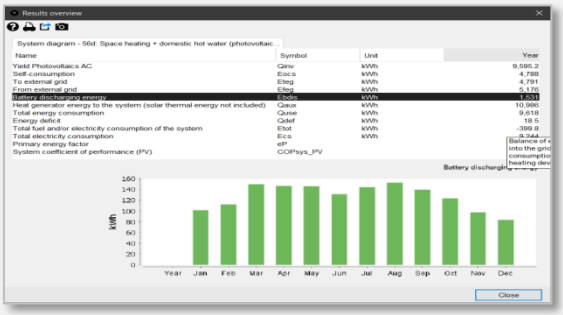
Profitability Calculations and Comparisons



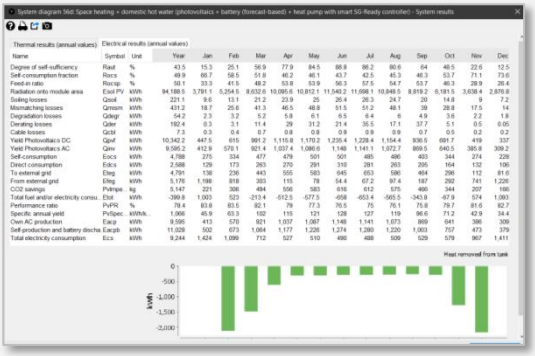
Exhaustive Manufacturers Database



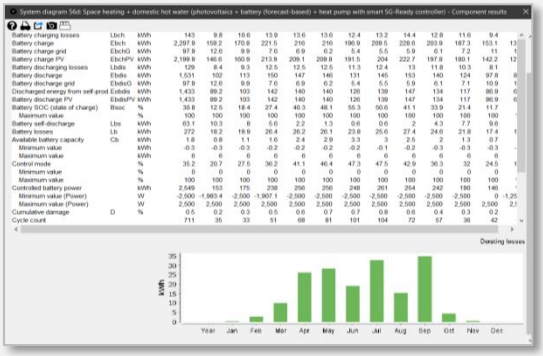
Exhaustive Manufacturers Catalogs



Results Overview



Thermal and Electrical Results



Component Results

System Comparison Results

Graphical Evaluations

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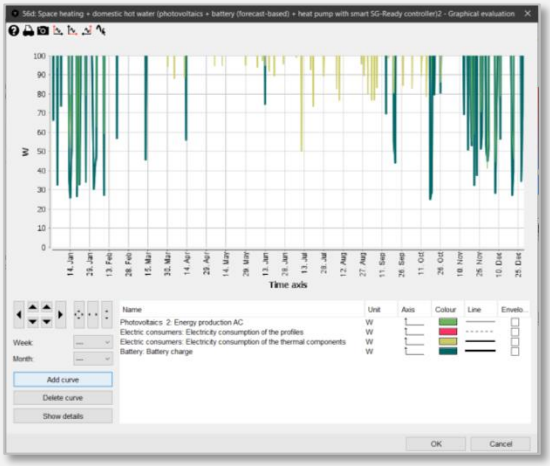
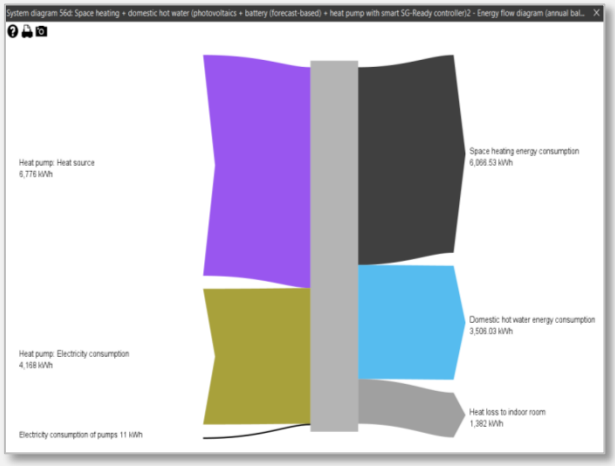
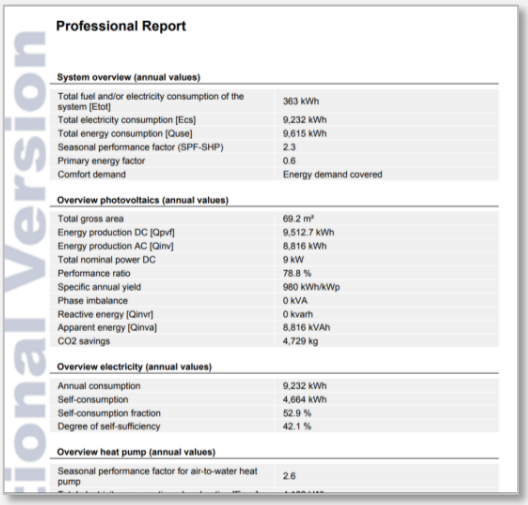
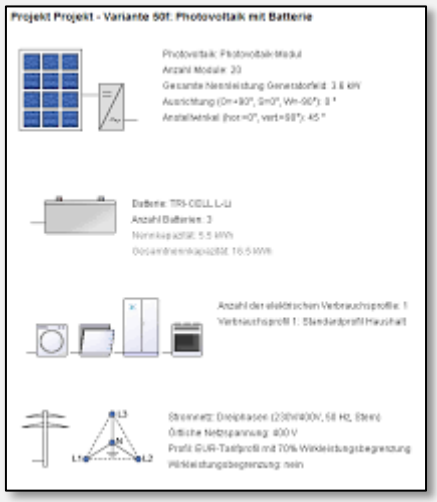


Graphical Evaluations



Energy Flow Diagrams





Professional PDF Reports

POLYSUN- PV Desktop Software addresses Photovoltaic only

(Please note that there are NO Thermal components included in PV version)

Polysun PV features

Acknowledged yield forecasts
Our reliable yield forecast including current weather data can be used by you efficiently from the first, preliminary study through the funding phase and through the optimization of the system.

Inverter lay-out and system comparison
Thanks to an inverter lay-out that is both simple and independent from manufacturers, and thanks to a comparison of different versions of a system, you will get different variations of an energy system in a short period of time.

Calculating your self-consumption using load profiles, battery and e-mobility
Use a simulation to discover the advantages of including e-mobility or a battery in your system, it will enable you to make statements about the economy of such intelligent energy concepts.

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Detailed evaluation and optimization possibilities
You can analyze and optimize your system in a user-friendly and clearly laid out way. Using technical reports and profitability calculations, you will find the best solution both in the energetic and in the economical sense.

New features
Higher resolution of load and weather profiles
Load and weather profiles can now be uploaded as one-minute-profiles.

Detailed graphical evaluation
Results now can be depicted and saved in a resolution by the second.

Battery model
Using the PerMod battery simulation model, both AC and DC coupled systems are now calculable.

E-mobility
Using the new profile editor, you can quickly create e-mobility profiles.

** Important Notes for POLYSUN License type and details:*

Academic: In the case of an academic teaching license, the Licensee shall only use the Software for educational purposes. Educational purposes shall only include teaching and Research projects.

System Requirements (Minimum specifications):

- Compatible with Windows 10, 8, Vista, XP,
- Minimum 1 GB RAM
- 500 MB storage space
- Internet connection (for installation and updates only)

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