Photovoltaic Power Systems Programme



Performance Database

The Performance Database of Task 2 of the Photovoltaic Power Systems Programme (PVPS) of the International Energy Agency (IEA) is designed to provide experts, industry, utilities, manufacturers, system designers, installers and schools with suitable information on the technical performance, reliability and costs of photovoltaic (PV) systems and components. The benefit of the Performance Database lies in sharing technical information focusing on long-term performance and reliability of PV systems and providing tools for practical and educational purposes.

Database programme

- Internet download for free at www.iea-pvps-task2.org
- · English language
- First release in July 2001
- Last Update in September 2006
- Financed by the German Federal Ministry for Environment, Nature Conservation and Nuclear Safety (BMU)

Database contents

- Information on 461 photovoltaic systems in IEA countries worldwide
- Grid-connected, off-grid and hybrid photovoltaic systems of 1 kWp up to 3 MWp
- General system information (size, system type, mounting, location, cost, photo)
- System configuration and component data
- Monitoring data (values of monthly energies, irradiation and temperature)
- Calculated data (monthly and annual values of performance indicators)

Programme specifications

- PC of 64 MB RAM,
 100 MB hard disk space
- Windows 98, NT4.0, 2000, XP
- Excel 97/2000 for reports and data exports
- Filter, selection and easy navigation through the database
- · Import and export tools



Information and CD-ROM are available from:

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Performance, Reliability and Analysis of Photovoltaic Systems