

Solar modules by RWE SCHOTT Solar – The references:

- **TISO-LEEE (Swiss)**

The TISO Institute bought anonymously solar modules of different manufacturers. The modules were measured at the date of delivery and then installed on outdoor test stands. While in operation, the modules have been tested several times in certain intervals.

The solar module of RWE SCHOTT Solar (the ASE-100-GT-FT) performed very well and had the best results in the initial measurement as well as in all further tests.

The power of the competitor modules was partially significantly below nominal power. In addition, the power decreased considerable compared to the initial power.

- **Study of the University of Oxford**

The University of Oxford compared solar modules from different manufacturers and different technologies (CSi, ASi, CIS und CdTe). The modules were tested in 2 identical power plants at locations in England and Mallorca.

The ASE-30-DG-UT performed best in the hot climate of Mallorca and had the second best energy yields in England.

The ASE-300-DG-UT was the best module with crystalline solar cells in Mallorca and performed also well in England.

- **Stiftung Warentest**

In September 1999 the Stiftung Warentest tested 13 solar modules with regard to function, power, electrical safety and documentation.

The ASE-300-DG-FT (285Wp) was the winner with an excellent grade of 1,8.

- **Analysis of the Fraunhofer Institut für Solare Energiesysteme (FHG-ISE)**

The FHG-ISE is monitoring the solar power plants in the Environmental Tariff program of RWE. In addition, they are analyzing several power plants for RWE SCHOTT Solar and release the results in the Internet:

- www.umweltplus.de (RWE Environmental Tariff)
Annual reports by FHG-ISE [1998](#), [1999](#), [2000](#) & [2001](#)
The performance ratio of plants built with ASE-300 modules is significantly higher than that with competitor modules
- www.solar-monitoring.de (Analysis for RWE SCHOTT Solar)
Displays in detail the data of some plants of RWE SCHOTT Solar in the Environmental Tariff and other sites with solar modules by RWE SCHOTT Solar