

**SMA is Ready. Are you?
Energy technology for the future**

The key technology for an environmentally-friendly and sustainable energy supply with a high percentage of renewable energy sources is a decentralized and modular energy system. It is a technology that can be universally applied, both in existing power grids and for supplying remote areas with no electricity. It is, therefore, ideally suited for further expansion in industrial nations, as well as emerging markets and developing countries.



ÂÂ Brand technology

SMA develops and produces highly efficient solar inverters for all system sizes, all output classes and every grid requirement worldwide – irrespective of the solar modules being used.

Hundreds of thousands of private, municipal and institutional solar power plants use photovoltaic inverters and linked communication systems supplied by the global market leader SMA.

Company profile

Energy that Changes

SMA Solar Technology AG is a global leader in the development, production and sales of PV inverters and, as an energy management group, offers innovative key technologies for future power supply structures. SMA is represented in all important photovoltaics markets in 19 countries on four continents. The company has a staff of over 5,500 and reached a sales volume of EUR 1.7 billion in 2011.

Inverters are the heart of every PV plant

Technologically, the inverter is the most important component of a PV plant. It converts the direct current generated in the photovoltaic cells into alternating current compliant with the grid requirements – for self-consumption or feed-in to the power distribution grid. As an intelligent system manager, it also monitors both the PV array and the power distribution grid. SMA inverters already perform important grid management functions, which are becoming increasingly important as electricity production from renewable sources grows. SMA has been developing leading technological solutions and pioneering trends in this area for years and is driving future-oriented topics. For instance, these include intelligent energy management at a household level, grid integration of solar power and connecting storage facilities for more effective use of renewable energy.

For all Performance Classes and Plant Sizes

SMA has an extensive range of products, which offers the right inverters for all module types and plant sizes; for small residential systems as well as large scale plants, grid-connected installations as well as stand-alone and backup systems all over the world. Plant monitoring and visualization products as well as energy management solutions complete the portfolio. In addition to this, SMA customers worldwide benefit from comprehensive services: from support in installation and commissioning of PV plants to quick and uncomplicated device replacement service in Germany and worldwide, and the free SMA Service Line for technical questions. The company also provides training for plant planners, installers, electrically qualified persons and

anybody interested in solar power in seminars as part of the SMA Solar Academy.

SMA has received numerous awards for its product solutions and exceptional corporate culture. In 2011 and 2012, the company achieved first place in the German “Great Place to Work®” competition in the category for companies with over 5,000 employees.

[Download Data Sheets](#)

(Source: sma-america.com)