Press Release – SMA Solar Technology AG

SMA exceeds the 99-percent mark for efficiency

SMA aims to set a trend in efficiency and cost optimisation at the European Photovoltaic Solar Energy Conference and Exhibition. Global leader in inverter manufacturing, SMA Solar Technology AG, continues its technological leadership by setting new standards in future-oriented technologies and creating the world's most efficient standard inverter.

Niestetal/Hamburg, Germany August 25, 2011 – For SMA Solar Technology AG, this year's PV SEC in Hamburg is all about increasing efficiency. The world's leading inverter manufacturer shows that innovative technologies can make a crucial contribution to reducing system costs with the right expertise. At PV SEC, SMA persuasively demonstrates innovative solutions central to the future of photovoltaics, in all business areas and power classes. SMA has become the first manufacturer to reach **99 percent maximum efficiency** with the new **Sunny Tripower 20000TL High Efficiency**. The new 20-kVA device focuses on the essentials of inverter functionality, including mono-string design without a step-up converter and an optional DC disconnection, making it ideal for creating high-efficiency, medium to very high power PV plants.

The **Medium Power Solutions** segment addresses such future-oriented topics as solar energy self-consumption, smart grids and grid integration. SMA will be displaying the **Sunny Boy HF** and the **Sunny Boy TL** product ranges. All devices meet the requirements of the German VDE AR4105 code of practice. The **OptiTrac Global Peak** innovation was added to SMA's proven MPP tracking system to ensure that maximum yields are achieved, even in partially shaded areas.

The new **Sunny View** enhances user convenience with a colour touch screen displaying all plant data, as a successor to the Sunny Beam. SMA developers have also been thinking creatively for **Sunny Home Manager**. Soon it will be able to directly control Miele household appliances that are smart grid (SG) ready, integrating them with intelligent load management. Users will benefit from household appliances operating normally while data is exchanged directly (selected program, running time and energy demand) with the Sunny Home Manager. This enables more precise self-consumption planning.

SMA will also introduce the principle behind the new TL Grounding Solution in the **Power Plant Solutions** segment. "Our highly efficient transformerless inverters with an add-on solution, based on this patented, circuit make it possible to operate decentralised large-scale PV plants incorporating any thin-film PV module. This can increase the yield by more than three percent," says Chief Technology Officer Roland Grebe, explaining the background of the SMA innovation.

SMA Utility Grade is an integrated concept for the realisation of PV power plants worldwide. It combines SMA system technology and services for power plant projects. “All products and services carrying this label meet the intensive, complex requirements placed on state-of-the-art, competitive power plants. We offer all system components from central and off-grid inverters and PV plant monitoring to medium voltage technology as a building set. Customers choose individual components or pre-configured and coordinated packages for centralised or decentralised plant designs. This streamlines the project business enormously,” according to Jürgen Reinert, Executive Vice President Technology for the Power Plant Solutions division.

SMA are presenting the utility grade **Sunny Central 800CP**, featuring the latest Optiprotect technology - which reliably detects string errors in the field and differentiates from temporary events such as cloud cover. This ensures that a maximum solar energy yield is achieved. The new **SMA Power Plant Controller** guarantees rapid collection and adjustment of grid parameters and the launch of a high-performance communication platform for the CP family represents an important step toward grid stability with large PV power plants using Sunny Central inverters.

Press contact:

SMA Solar Technology AG

Sonnenallee 1

34266 Niestetal

Germany

Head of Corporate Communications:

Anja Jasper

Tel. +49 561 9522-2805

Fax +49 561 9522-4567

Anja.Jasper@SMA.de

About SMA

SMA Solar Technology AG (SMA/FWB: S92) is the worldwide market leader for photovoltaic inverters, a leading supplier of transformers and chokes, and a provider of innovative energy supply solutions for mass transit and main-line rail transportation. The SMA Group generated sales of €1.9 billion in 2010. It is headquartered in Niestetal, near Kassel, Germany, and is represented in 18 countries on four different continents. The Group employs a staff of over 6,500 worldwide (including temporary employees). The multi award-winning product range covers solar inverters for roof systems, major solar projects and off-grid systems, enabling SMA to provide a technically optimised inverter solution for all size categories and system types. Its range of services is complemented by a worldwide service network. The highly flexible manufacturing plants for solar inverters in Germany and North America have a capacity of approximately 11.5 GW a year. The SMA Group also operates a manufacturing plant for electromagnetic core components in Poland. Since 2008, SMA has been listed on the Prime Standard of the Frankfurt Stock Exchange and also in the TecDAX index. In recent years, SMA has received numerous awards for its excellence as an employer and achieved first place in 2011 in the federal "Great Place to Work" competition.

About SMA Australia

SMA Australia Pty. Ltd. is one of 17 world-wide subsidiaries of parent company SMA Solar Technology AG. SMA Australia supplies photovoltaic inverters to commercial and residential sectors, partnering with a large distribution network covering Australia, New Zealand and the South Pacific. SMA's local office is based in Sydney, allowing the Australian team to provide service, sales and technical support to the region. Prominent solar installations within Australia containing SMA solar inverters include the Sydney Theatre Company, Sydney Olympic Park, Crowne Plaza Alice Springs, Cockatoo Island in Sydney Harbour and The Adelaide Show grounds.

Disclaimer:

This press release serves only as information and does not constitute an offer or invitation to subscribe for, acquire, hold or sell any securities of SMA Solar Technology AG (the "Company") or any present or future subsidiary of the Company (together with the Company, the "SMA Group") nor should it form the basis of, or be relied upon in connection with, any contract to purchase or subscribe for any securities in the Company or any member of the SMA Group or commitment whatsoever. Securities may not be offered or sold in the United States of America absent registration or an exemption from registration under the U.S. Securities Act of 1933, as amended.

This press release can contain future-oriented statements. Future-oriented statements are statements which do not describe facts of the past. They also include statements about our assumptions and expectations. These statements are based on plans, estimations and forecasts which the executive board of SMA Solar Technology AG (SMA or company) has available at this time. Future-oriented statements are therefore only valid on the day on which they are made. Future-oriented statements by nature contain risks and elements of uncertainty. Various known and unknown risks, uncertainties and other factors can lead to considerable differences between the actual results, the financial position, the development or the performance of the corporation and the estimates given here. These factors include those which SMA has discussed in published reports. These reports are available on the SMA website at www.SMA.de. The company accepts no obligation whatsoever to update these future-oriented statements or to adjust them to future events or developments.