



SMA Solar Technology AG – Press Release

## **Seamlessly Blending Together: The SMA Cluster Controller for Decentralized Large-Scale PV Power Plants**

**Niestetal, January 29, 2013 – SMA Solar Technology AG (SMA) now supports plant operators even better in monitoring and control of decentralized large-scale PV power plants: Along with the highly efficient SMA string inverters, the new SMA Cluster Controller, which is available now, is the perfect system solution up to the megawatt range.**

### **Maximum Performance and Varied Functions**

The SMA Cluster Controller offers reliable monitoring and control of up to 75 string inverters thanks to the Ethernet-based Speedwire fieldbus and the high-performance dual-core processor. Due to the high-performance bus system with 100 Mbit/s technology, plant operators receive advantages, such as optimum data transmission rates for plant monitoring and fast processing of measured values, status updates, and plant control commands. Furthermore, the many different connection options for the sensors enable plant operators to evaluate nominal plant power more precisely. In addition to the status updates, the nominal plant power can be viewed using Sunny Portal.

### **Modularized, (De)centralized, Optimized**

With its modular structure, every decentralized large-scale PV power plant that has an SMA Cluster Controller guarantees sustainable plant management. The flexible system solution incorporating any number of Cluster Controllers, the Speedwire fieldbus, and the PV farm management system using the Power Plant Controller provides for the possibility to flexibly change the power output of PV plants. The modular system can be expanded as needed because additional clusters can be added conveniently.

With the SMA solutions designed especially for PV power plants, systems, even in the megawatt range, can be monitored reliably and comprehensively. With this, they help to reduce costs and thus ensure attractive yields. Moreover, they naturally meet all legal and normative requirements.

### **About SMA**

The SMA Group generated sales of €1.7 billion in 2011 and is the global market leader for solar inverters, a key component of all PV plants and, as an energy management group, offers innovative key technologies for future power supply structures. It is headquartered in Niestetal, near Kassel, Germany, and is represented internationally in 21 countries. The Group employs more than 5,500 people worldwide. SMA's broad product portfolio includes a compatible inverter for every type of module on the market and for all plant sizes. The product range includes both inverters for photovoltaic plants connected to the grid as well as inverters for off-grid systems. SMA is therefore able to



provide ideal technical inverter solutions for all plant sizes and types. Since 2008, the Group's parent company, SMA Solar Technology AG, has been listed on the Prime Standard of the Frankfurt Stock Exchange (S92) and also in the TecDAX index. In recent years, SMA has received numerous awards for excellence as an employer and achieved first place in the nationwide "Great Place to Work®" competition in 2011 and 2012.

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