



SMA Solar Technology AG – Press Release

### **Autonomous Energy Supply Made Easy with the New SMA Sunny Island 6.0H/8.0H**

**Niestetal, September, 18th 2012 – As of now, SMA delivers the new off-grid inverters, Sunny Island 6.0H/8.0H, for off-grid systems in remote areas. The devices are robust, with a high IP54 degree of protection and broad temperature range; flexible with 99 possible system configurations; and are also easy to install and operate. The combination of trusted SMA technology and intelligent innovation make the new Sunny Island inverters a truly all-round carefree package for the 3 to 300 kW power range.**

The new simplicity of the SMA off-grid inverters is already recognizable in the name. The Sunny Island 6.0H/8.0H show at a glance what they can do: provide 30 minutes of power at 6.0 or 8.0 kW. "Measuring power in 30-minute increments rather than in terms of nominal power simplifies and economizes planning, since energy consumption usually fluctuates greatly over the course of the day," explains Martin Rothert, Head of Product Management SMA Off-Grid Solutions. "Peak demand is caused by major loads such as stoves, refrigerators, water pumps or air conditioners which repeatedly require an extra amount of electric current. This usually doesn't last for more than 30 minutes," Rothert says.

Both 48 Volt devices can be easily combined and boast a possible 99 unique system configurations. In this way SMA offers absolute freedom and precision when it comes to plant design – both for very small off-grid systems starting at 3 kW as well as for large multicenter systems of up to 300 kW.

#### **Ready for Operation Anywhere**

Off-grid systems are classically installed in remote regions where a power distribution grid is not available, but where electrical energy is nonetheless imperative. "In order to make reliable, autonomous energy supply possible, we have developed especially robust devices which are equally easy to use," says Rothert. The new OptiUse operating concept makes installation, commissioning and the day to day use as simple as possible – for planners, installers and plant operators. Possible mistakes during installation are signaled by the system immediately, and commissioning is completed in just a few steps. Furthermore, a system with multiple Sunny Island units, a so-called cluster, can be configured and operated centrally using the master device. Sunny Island units can also be installed nearly anywhere, thanks to the high IP54 degree of protection and the SMA cooling concept OptiCool. In the desert, in the rainforest, on an island or in the arctic: moisture, dust and extreme temperature changes are no match for the reliable operation of the Sunny Island inverter.



## **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 in 21 countries on six continents. The Group employs more than 5,500 people worldwide, plus a number of temporary employees that varies on a seasonal basis. 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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