



SMA Solar Technology AG – Press Release

More Independence in the Use of Energy: SMA Presents Innovations at the Intersolar Europe 2014

Niestetal/Munich, May 6, 2014—SMA Solar Technology AG (SMA) will be presenting its innovative solutions for more energy independence at the Intersolar Europe from June 4 to 6, 2014, in Munich. The integration of energy storage systems will be the main focus at the booth—from SMA Smart Home for efficient use of self-generated solar electricity in households and commercial operations to the new megawatt-class battery inverter Sunny Central Storage. For the first time at the Intersolar, SMA will also exhibit a comprehensive system solution for large-scale PV power plants that will meet all current and future demands..

SMA Smart Home: intelligent system technology for more self-consumption

“With smarter system technology, SMA sets worldwide standards for an efficient and future-proof energy supply on the basis of renewable energies,” said Roland Grebe, Board Member for Technical Innovation. With the storage solutions SMA Flexible Storage System and SMA Integrated Storage System, SMA thus enables more independence from rising electricity or operating costs. In addition to the immediately available Sunny Boy Smart Energy with integrated storage system, we are focusing on the integration of e-mobility and heat pumps. It’s precisely the connection of intelligent energy management with SMA Smart Home and the optimal charging infrastructure that significantly increases self-consumption and reduces energy costs. This creates interesting possibilities for industry and households,” said Grebe.

New inverters and services

SMA also offers some innovations in the area of string inverters. In addition to the new, more powerful Sunny Tripower-Generation with 20 and 25 kW are expanded power classes with the Sunny Boy TL as well as the smaller Sunny Tripower-Generation, which will soon be available up to 12 kW. The Sunny Island 3.0/4.4 is also new, optimized for small systems from 2 to 13 kW. This robust device is both on- and off-grid-compatible.

The solution offering is topped off by the new, modular service concept “Service Select.” It combines service products that are already well-known, such as the extended warranty and remote service, with new services: commissioning, system modernization, regular maintenance or a one-time system check by SMA experts.

Besides these services, the new Sunny Portal Professional Package ensures comprehensive monitoring and management of different PV systems for reliable yields. The community portal Sunny Places also connects very transparent PV system monitoring with the possibility of interacting with like-minded people.



SMA Utility Power-System: complete solution for large-scale PV power plants

For the first time in the PV large-scale plant segment, SMA will present a complete DC-to-AC system at this year's Intersolar that meets all demands of today's and future large-scale PV power plants. The optimized system covers the DC voltage ranges of 1 000 V with 2 200 kVA and 1 500 V with 2 500 kVA, enables the use of nearly all module types that are used in large-scale PV power plants today, and is suitable for outdoor installation—everywhere in the world. Thanks to its compact design, the SMA Utility Power System reduces costs during transport, installation and commissioning. It is available as a turnkey system solution or in flexible packages. With the perfectly synchronized components such as the inverter, medium-voltage block, DC technology, corresponding park control and services, the SMA Utility Power System expands the features of PV power plants. Ready for use with battery storage technologies and in PV hybrid systems, it enables the operation of systems that until now were dependent solely on diesel fuel.

Sunny Central Storage: megawatt-class battery inverter for reliable grid operation

The integration of large storage systems into PV power plants optimizes grid operation and supports the further development of renewable energies. From frequency control and voltage maintenance to supply restoration and grid congestion management—in combination with the new megawatt-class battery inverter, the Sunny Central Storage, it is possible to provide the full range of system functions that are so important for secure and reliable grid operation. Thus, must-run units can be replaced, operating and maintenance costs as well as short-term investments in grid expansion can be reduced and avoided.

SMA Fuel Save Solution: efficient hybrid solution for industrial consumers

Photovoltaic diesel hybrid systems with the SMA Fuel Save Solution offer a true alternative to pure diesel power generation for industrial applications with or without limited access to the utility grid. Specifically developed for the integration of large solar power ratios of up to 60% of the installed diesel genset capacity, this modular system solution considerably reduces the operating costs as well as CO₂ emissions. The system solution with the SMA Fuel Save Controller was nominated as a finalist for the Intersolar AWARD 2014.

Those attending Intersolar can learn more about SMA's many innovations at the **SMA booth B2.210**.

About SMA

The SMA Group generated sales of more than €0.9 billion in 2013 and is the global market leader for solar inverters, a key component of all PV plants. As an energy management group, SMA offers innovative key technologies for future power supply structures. It is headquartered in Niestetal, near Kassel, Germany, and is represented in 21 countries. The Group employs more than 5,000 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



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range includes both inverters for grid-connected photovoltaic plants as well as off-grid and hybrid system technology. The product portfolio is supplemented by comprehensive services and operational management of utility-scale PV-plants. 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.

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