



SMA Solar Technology AG press release

Second Major Upside Battery-Storage System With SMA Technology Goes Into Operation in Saxony

Niestetal/Bennewitz, May 8, 2019 – An additional major battery-storage system project from the Upside Group with a system solution from SMA Solar Technology (AG) has now gone into operation in Bennewitz in the German state of Saxony. The storage system features lead-carbon batteries and has a power of 16 megawatts. It compensates for grid fluctuations and thus facilitates higher and better integration of renewable energies into the utility grid. Powerful SMA Sunny Central Storage battery inverters and an SMA Hybrid Controller ensure optimized charging and discharging of the batteries.

“The large-scale battery storage system successfully provided grid support for the first time even before the system was officially commissioned,” said Enrique Garralaga Rojas (Dr.-Ing.), general manager of SMA Sunbelt Energy GmbH. “In January, a major blackout almost occurred in Europe due to a significant drop in frequency to below 50 Hz; thanks to the use of battery-storage systems such as those in Bennewitz and Langenreichenbach, a failure of the electricity supply was prevented,” continued Rojas. “The SMA solution including Sunny Central Storage battery inverters and the SMA Hybrid Controller ensures optimal integration of the storage system into the utility grid.”

“The lead-carbon storage system in Bennewitz has a capacity of 25 MWh and is used, just like the other battery-storage systems from the Upside Group, to provide services of benefit to the grid,” said Marc Reimer, general manager at Upside. “In this project, we are once again placing our trust in SMA’s coordinated system solution because charging and discharging of batteries can be optimally controlled using the powerful SMA battery inverters. As such, the large-scale storage system contributes to both grid relief in the entire region and the stabilization of the Central European utility grid.”

Bennewitz is already the second joint project for SMA Sunbelt Energy GmbH and the investor, Upside Invest GmbH & Co. KG. Just like in the 25 MWh project in Langenreichenbach, lead-carbon batteries from Narada and Sunny Central Storage battery inverters compensate for grid fluctuations and ensure grid stability. In total, 18 containers with more than 10,500 battery cells and nine battery inverters were installed on bases in such a way that they are safe from floods and connected to the utility grid for the large-scale battery-storage system. The batteries come from China, have a service life of 20 years and are recyclable.



About SMA

As a leading global specialist in photovoltaic system technology, the SMA Group is setting the standards today for the decentralized and renewable energy supply of tomorrow. SMA's portfolio contains a wide range of efficient PV inverters, holistic system solutions for PV systems of all power classes, intelligent energy management systems and battery-storage solutions as well as complete solutions for PV diesel hybrid applications. Digital energy services as well as extensive services up to and including operation and maintenance services for PV power plants round off SMA's range. SMA inverters with a total output of around 75 gigawatts have been installed in more than 190 countries worldwide. SMA's multi-award-winning technology is protected by more than 1,200 patents and utility models. 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 is listed in the SDAX index.

About Upside

The Upside Group develops, maintains and operates its own portfolio of PV power plants and battery-storage systems for the provision of grid management services. In addition, the Upside Group offers a consultancy service to companies worldwide on the construction of turnkey projects, financing and challenging issues in the energy industry.

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