



MUNICH, GERMANY, APRIL 10, 2019

ABB champions demand for smart and connected solar integration

At Intersolar 2019, ABB will showcase its connected sun-to-socket portfolio. Featuring the latest digital technology, ABB's solutions have been designed to drive down system costs and deliver higher returns on investment for solar applications.

As a pioneering technology leader in digital industries, ABB will highlight its sun-to-socket solutions for the future of energy from Stand B2.210, as the company envisions and redefines solar through digitalization.

ABB will present a fully integrated portfolio to deliver greater performance, including new inverter solutions and Balance of System (BoS) components at the edge of technology. The company will also show medium-voltage packaged solutions for power collection and grid connection and storage technologies, along with ABB Ability™ smart digital monitoring and control solutions.

Giampiero Frisio, Head of ABB's Smart Power Business line comments: "At Intersolar 2019, we want to provide customers with a complete 360° portfolio that enables them to scale-up, use emerging technologies safely and have the ability to deliver a resilient renewable energy system for future generations."

Utility Scale Solutions

As part of the show program, the leading provider of smart solar solutions will unveil its latest PVS980-58 central inverter, which is shortlisted for the Intersolar Award 2019.

As one of the first on the European market to offer high-power capabilities, with plug and play integration to the power block, this pioneering inverter offers a unique hybrid cooling concept based on thermosiphon (patented) and forced air-cooling technology.

This development in PVS980-58 inverter technology delivers high performance, reliability and increased uptime and lifetime for large PV power plants. As well as being engineered with proven components, a compact and modular design, and supported by full lifecycle services from ABB, PVS980-58 balances system costs and improves Levelized Cost for Electricity (LCOE) for utilities.

Giampiero Frisio explains: "We've seen a tremendous jump to current 1500V DC inputs in the solar industry, as utilities look to decrease system losses, balance plant costs and increase power output.

"This trend also sees many photovoltaic plants reduce the number of components needed, which makes logistics easier, installation times shorter and wiring costs lower."

ABB will showcase several components, which focus on delivering continuous operation, higher reliability and return on the investment, enabling customers to take full advantage of savings by adopting 1500V DC and 800V AC technologies.

This includes ABB's new GF contactor range, which provides tailored solutions to enable automatic and energy efficient remote control and switching within 1500V DC circuits inside central inverters. While on the AC side, the Tmax T5X-HA UL circuit-breaker and InLine II fuse gear can manage currents up to 800V AC, further supporting the integration of wider voltage architectures in solar power plants.

Robust support and connection to the grid will be provided by a wide range of products and solutions, including a complete range of Compact Secondary Substations, skid solutions and eHouses, all equipped with ABB switchgear, Relion® protection relays, transformers and low-voltage components.

Solutions for Smart Residential, Commercial and Industrial Applications

ABB will underline its commitment to smart building photovoltaics applications, with its complete range of PV string inverters, including the newly launched UNO-DM-Q. The company will also showcase solutions for the home energy ecosystem including REACT 2, its unique modular hybrid PV + Storage solution, alongside all other residential components and products, which provide a full energy solution to homeowners. Innovation on the peer-to-peer energy transaction will be demonstrated with its future-proof block-chain topology.

The stand will also feature ABB's latest plug and play battery energy storage system, PQpluS, together with key smart commercial and industrial solar and storage technologies.

The new PQpluS system controls the electricity that consumers generate to reduce energy costs by improving overall efficiency, reliability and availability of the power system. It can also be used where multiple energy sources such as wind, solar, diesel or other generators operate in parallel and where the integrator's high-level system controller coordinates the overall operation. It is supported by the PQstorI inverter, which features embedded power quality functionalities.

Digital Offering

ABB has also developed new digital offerings, which utilize the ABB Ability™ platform to help installers, professionals and prosumers make full use of their PV system, bring down costs and manage energy consumption.

The ABB Ability™ Installer App will deliver savings up to 70 percent on plant commissioning time with instant accessibility to date for commissions, configuration and parameter setting of multiple inverters via any Android and iOS device.

The ABB Ability™ Energy Viewer mobile App is an easy to use, free of charge tool for owners of ABB solar inverters to remotely monitor all energy flows and the performance for their PV installation, with or without an energy storage system.

Visitors will also be able to find out more on the trusted ABB Ability™ platform which provides the foundation for deep visibility into system health, diagnostic control and setting of all efficient PV installations.

“We have a clear goal to innovate solutions that really write the future of energy. It’s this goal that will empower customers to harness the sun’s potential and we look forward to showcasing our comprehensive range at Intersolar 2019,” concluded Frisio.

The ABB Intersolar stand will see visitors experience the future of solar energy and take advantage of intelligent control through digitalization tools to deliver the next generation solar power plant.

Visit ABB on stand B2.210.

ABB (ABBN: SIX Swiss Ex) is a pioneering technology leader with a comprehensive offering for digital industries. With a history of innovation spanning more than 130 years, ABB is today a leader in digital industries with four customer-focused, globally leading businesses: Electrification, Industrial Automation, Motion, and Robotics & Discrete Automation, supported by its common ABB Ability™ digital platform. ABB’s marketleading Power Grids business will be divested to Hitachi in 2020. ABB operates in more than 100 countries with about 147,000 employees

—
For more information please contact:

Natalie Hodges
Media Relations Manager
Electrification business
Phone: +41 (0)43 317 54 04

E-mail: natalie.hodges@ch.abb.com

ABB Ltd
Affolternstrasse 44
8050 Zurich
Switzerland