

*July 27, 2021
For Immediate Release*

Booth #5413

Alencon Systems to Display Industry's Most Extensive Range of DC:DC Conversion Technology at SPI 2021

Alencon will demonstrate the industry's most extensive and flexible range of high voltage, high power DC:DC conversion and optimization technology at Solar Power International in New Orleans

Figure 1: Alencon Systems will demonstrate its extensive array of high power, high voltage DC:DC converters and optimizers at SPI 2021 in New Orleans September 21 – 23, 2021 in booth 5413. Alencon's line-up of DC:DC converters includes the galvanically isolated SPOT and BOSS and the non-isolated CUBE.

Hatboro, PA – Alencon Systems LLC will demonstrate the industry's most extensive line-up of high power, high voltage DC:DC conversion equipment at SPI 2021 in New Orleans, Louisiana, September 21 – 23 in booth #5413. The Alencon products on display at SPI 2021 will include the latest version of Alencon's galvanically isolated DC:DC converters, the SPOT and BOSS Version 7 series, along with the company's soon to be released CUBE. The CUBE is slated for official release in 2022. In addition, Alencon will be displaying its full range of accessories including the GARD for string level arc and ground fault detection and ACE control system along with a variety of deployment form factors, including its stackable, paralleled solutions.

“Alencon aims to be the market leading provider of high power, high voltage DC:DC conversion solutions for applications including the combination of solar plus storage, solar optimization, Microgrids, EV charging and fuel cell applications” says

Hanan Fishman, Alencon Systems President. “At SPI 2021, we will be showcasing the widest and most unique product portfolio for DC:DC power conversion for the clean energy electrification sector.”

The Alencon SPOT – which stands for string power optimizer and transmitter – is Alencon’s galvanically isolated, uni-directional DC:DC conversion solution. The SPOT can be used for a variety DC:DC applications include accepting solar and fuel cells as inputs while delivering a wide array of DC voltages on its output. The BOSS – which stands for bi-directional optimizer for storage systems - is Alencon’s bi-directional DC:DC converter solution. The BOSS is ideal for the bi-directional charge and discharge of battery energy storage in DC distribution systems such as solar and storage. At SPI, Alencon will be showcasing the SPOT and BOSS Version 7 series, products that offer yet higher power ratings than previous versions in the same, compact form factor.

At SPI 2021, Alencon will debut its latest DC:DC converter offering – the CUBE, the compact universal boost/buck converter. Unlike the SPOT and BOSS, the CUBE offers a non-isolated buck boost topology. The CUBE is unique in that it leverages Alencon’s unique high frequency switching technology to achieve a power density ten times greater than the other, non-isolated DC:DC converters available on the market today. The CUBE is scheduled for production release in 2022.

Also, on display at SPI 2021 will be the latest edition of the GARD – Alencon’s solution for providing string level arc and ground fault detection with string level rapid disconnect. The latest edition of the GARD features newly, redesigned ARC fault

detector compliant to the latest UL1699B standard. Additionally, the company will be demonstrating the ACE – the Alencon Communications Environment. The ACE allows for remote monitoring and control and SCADA integration of Alencon’s products including the SPOT, BOSS, CUBE and GARD.

“Alencon’s comprehensive product line offers project owners and developers a broad variety of solutions to meet the needs of DC-based electrification challenges. Our core competence in next generation, high-frequency power electronics allows us to offer cost effective, compact DC:DC power conversion solutions for the applications most in demand to help the electrification sector combat climate change.”

About Alencon

Alencon’s solutions for ALternative ENergy CONversion provide high modularity and scalability for systems from several megawatts to several-hundred megawatts. By helping to dramatically reduce balance of system costs and increase power production through new inverter and energy harvesting technology, Alencon helps advance the state of the art and increase the financial viability of solar power. Headquartered in Hatboro, Pennsylvania, has been building PV power conversion hardware since 2009, drawing on the combined decades of power electronics experience of its engineering team.

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Included pictures: alencon_DCDC_products_spi_2021.jpg