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Who is Alencon systems?

At Alencon Systems, we are passionate about power. We were founded by world leading power electronics experts who wanted to apply their unique level of knowledge and experience to help alternative energy become even more cost competitive with other forms of generation.

Who are Alencon's customers?

Alencon has successfully deployed many megawatts of its products in some of the most cutting-edge alternative energy products built to date. Our customers include industry leading utilities, independent power producers (IPPs), engineering, procurement and construction companies (EPCs), battery storage integrators and alternative energy developers.

What can Alencon do for You?

Alencon's products are setting a new standard in helping project owners repower existing PV and battery storage plants while allowing developers and EPCs to build new, innovative solar plus storage plants and Microgrids.

Alencon has partnered with IMO to offer the Fire Raptor the ultimate solar panel rapid shutdown solution - developed and designed with Fire Safety prominently in mind and compliant with stringent standards of NEC 2017. The Fire Raptor can be installed with either new PV systems or as a retrofit to existing systems to bring them into compliance with NEC 2017 and other local ...

Here at Alencon Systems, we build a unique line-up of galvanically isolated DC-DC optimizers than can be configured to meet your exact EV charging needs. The Alencon BOSS platform is a galvanically isolated, bi-directional DC-DC optimizer that can charge and discharge batteries of virtually any level of voltage from as low 100 volts to as high ...

Alencon's Combined Universal Buck-Boost Electronics - the CUBE series - achieves its unrivaled power density of an DC:DC converter in its class by using a silicon-carbide based power train instead of bulky traditional silicon insulated-gate bipolar transistor (IGBTs).

This however is where Alencon's BOSS (bi-directional optimizers for storage systems) comes in to play. The BOSS offers system designers the ability to control a centralized battery, whether at the rack or the container level, and allows the battery to charge from or discharge into a number of individual string inverters.

At Alencon Systems, it is our mission is to help utility scale solar operators harness more of the sun's energy and reduce the levelized cost of energy (LCOE) produced from a PV plant. Our unique, utility scale DC to DC optimizers and ...



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Alencon Systems provides you a wealth of unique, cost effective solutions for integrating DC-coupled storage into your next PV project or even to retrofit into an existing plant. Learn more PV Plant Repowering. Keep Your Existing PV ...

This is a problem we here at Alencon have been very focused on addressing. With our String Power Optimizer and Transmitter, the SPOT, we are able to provide complete galvanic isolation between PV strings and the central inverter.

Alencon Systems LLC launched its newest line of high voltage DC:DC converters with a clever acronym, the CUBE, to complement its existing li... August 15, 2022. Products. Alencon Systems expands U.S.-based manufacturing, R& D facility.

Alencon Systems is now deploying the BOSS BOX and SPOT BOX, highly configurable deployment form factors of its galvanically isolated DC:DC converters that offer the benefits of a centralized location with the flexibility, resiliency and serviceability offered from Alencon's more granular devices. "In a world where increased levels of DC ...

At Alencon Systems, we are passionate about power. We were founded by world leading power electronics experts who wanted to apply their unique level of knowledge and experience to help alternative energy become even more cost competitive with other forms of generation. The SPOT is one of the largest ETL listed DC-DC optimizer for PV applications available on the market ...

Alencon Systems is a cutting edge, American manufacturer of next generation power electronics for alternative energy applications including Solar, Battery Energy Storage, Microgrids, Electric Vehicles and Fuel Cells, among other applications. Alencon's mission is to apply our team's unique expertise in power electronics to help drive ...

Alencon Systems provides you a wealth of unique, cost effective solutions for integrating DC-coupled storage into your next PV project or even to retrofit into an existing plant. Learn more PV Plant Repowering. Keep Your Existing PV Assets Running Strong! A PV plant's performance can diminish over the years for a variety of reasons, from module ...

Alencon's Bi-Directional Optimizer for Storage Systems - the BOSS - is a unique, galvanically isolated, bi-directional DC-DC converter for stationary storage applications Products SPOT - PV String DC-DC Optimizer

Hanan Fishman, President, Alencon Systems If you're the owner of a PV plant that's now a few years old, perhaps even one built under the Federal Government's 1603 program that expired in 2012, you might be looking at investing in repowering your plant via retrofits of some sort to increase the amount of power your plant is generating.



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Alencon's Grid Inverter Package - the GrIP - is a 10MW central PV inverter, the largest available on the market today. The GrIP uses Alencon's Patented Harmonic Neutralization technology to shatter the barriers of price, reliability, efficiency and size of traditional PWM-based PV inverters.. With a rugged, sealed enclosure, liquid-cooled components, heavy duty copper buses, and no ...

Alencon Systems Profile and History. Alencon's solutions for ALternative ENergy CONversion provide high modularity and scalability for systems from several megawatts to several-hundred ...

Ideas for how to address the inevitable degradation that occurs with lithium-based energy storage systems. Products. SPOT - PV String DC-DC Optimizer; BOSS - Bidirectional, Storage DC-DC Optimizer; ... Alencon Systems, LLC. 330 S. Warminster Rd., ...

Alencon's isolated DC:DC converters are particularly helpful in this regard because they use a specialist, high-frequency silicon carbide transistors and transformers to map the nominal voltage of the fuel cell into the nominal voltage of the DC bus to which it is connected. Once the DC:DC converter brings those two different voltage levels ...

The Alencon Fused Electrical Disconnect (FEED) is the ideal companion to your deployment of Alencon's SPOT or BOSS products. The FEED provides a convenient, load break DC-disconnect on the input of the SPOT and BOSS. For the BOSS, it can be used on the output as well.

Alencon Systems LLC and Austrian-based Alternative Energy Solutions GmbH (AES) have entered into a strategic cooperation for improving the performance of utility-scale PV power plants. The cooperation agreement ...

The GARD can be deployed as a standalone device or in conjunction with Alencon's String Power Optimizer and Transmitter - the SPOT. Additionally, the GARD can be used with or without remote communications. The GARD can ...

Alencon's BOX form factor is a unique, cost effective option for deploying Alencon's galvanically isolated, DC:DC converters, the SPOT and the BOSS. The BOX allows numerous SPOT or BOSS units to be deployed in a single location.

The Alencon Fused Electrical Disconnect (FEED) is the ideal companion to your deployment of Alencon's SPOT or BOSS products. The FEED provides a convenient, load break DC-disconnect on the input of the SPOT and BOSS. ...

Learn About the Benefits of a PV-Centric Approach to DC-Coupled Solar + Storage. Solar + Storage is hot. Really hot. Like the market is going to double six times in the next 15 years hot, according to Bloomberg New Energy Finance.



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To maximize energy production reliably while lowering system costs, Alencon combines the highest central efficiency, distributed maximum power point tracking. Products. SPOT - PV String DC-DC Optimizer; BOSS - ...

In an earlier blog, we talked about how rack level DC converters can minimize fault currents in energy storage systems. In this article, we'll dive yet deeper into the subject of fault currents in battery energy storage systems (BESS). This blog explains how Alencon's cutting edge DC:DC converters can reduce fault currents in energy storage and other DC-based energy systems.

Alencon Systems, based in Philadelphia, Pennsylvania, is a manufacturer of DC-to-DC converters, which are all built in the US. The company delivered key services to the AGU microgrid project, including ensuring correct voltage levels from the PV array and providing the lighting system for the AGU's headquarters renovation.

Hatboro, Pennsylvania, United States and Vienna, Austria - U.S.-based Alencon Systems LLC and Austrian-based Alternative Energy Solutions GmbH (AES) have entered into a strategic cooperation for improving ...

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One of the unique aspects of Alencon's storage solutions is that make them such great enablers for integrating storage with PV is their galvanic isolation. Galvanic isolation allows Alencon's technology to isolate storage from PV assuring the highest ...

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