

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 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 ...](#)

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.

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If you're planning a new PV plant, you'll want to be sure spec out what Alencon has to offer. Our products are available either as DC-DC optimization sub-systems or as an entire centralized PV harvesting system. Whichever Alencon solution you choose, you are assured to improve the performance of your plant while reducing its overall cost.

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 ...

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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., ...

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 - Bidirectional, Storage DC-DC Optimizer; CUBE - Monolithic, Buck-Boost DC:DC Converters;

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 ...

The BOSS: Alencon's Battery Centric Topology for DC-Coupling Solar + Storage. Alencon Systems' Bi-Directional Optimizer for Storage Systems (BOSS) can be used to enable the deployment of storage in a PV array with inverters from many of today's leading PV inverter manufacturers. Such integration can be done either in new plants or retrofit into existing PV ...

It can be used in conjunction with other Alencon products including the SPOT, GARD and BOSS to communicate the status of PV strings or battery racks. The ACE acts as a gateway to integrate Alencon's power electronics with your plant level systems ...

SPOT - PV String DC-DC Optimizer; BOSS - Bidirectional, Storage DC-DC Optimizer; CUBE - Monolithic, Buck-Boost DC:DC Converters; GARD - PV GFCI, AFCI and Rapid Disconnect

The Alencon BOSS is your solution to a variety of battery energy storage applications and challenges, including: Improved Safety: The Alencon BOSS can greatly improve the safety of large scale, battery energy storage systems by reducing fault currents, isolating battery racks and detecting leakage to ground before they turn into ground faults.

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.

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 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 ...

Web: <https://sailesindustrialmachinery.co.za>