

To maximize energy production reliably while lowering system costs, Alencon combines the highest central efficiency, distributed maximum power point tracking (MPPT), and highest voltage DC bus voltage compatible with standard solar ...

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 ...

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.

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 ...

As DC-coupling grows in popularity, you will want to be sure to choose the right method for you next DC coupled Solar + Storage project. This white paper explains some factors to consider.

Easier Management of System Grounding - Galvanic Isolation can be a great tool in a number of alternative energy application for resolving differentials in grounding schemes between input and output. Two great examples of this benefit are explained in the articles below:

How Alencon Systems' Products can be Accounted for in the Domestic Content Bonus of Inflation Reduction Act (IRA) Controlling Solar and Storage for Optimal Results; How Mass Customization Lets You Generate More Solar Energy; Alencon Systems, LLC. 330 S. Warminster Rd., Suite 380.

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 ...

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 ...

Adding Battery Energy Storage to Existing Solar Plants: A Case Study. This case study, produced in partnership with Duke Energy, explains the opportunities and challenges with installing battery energy storage into existing solar plants

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 ...

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;

Retrofit Possibility for Existing PV Systems - Alencon's optimizers, with their roots in use for PV retrofits, makes retrofitting existing PV plants with storage a possibility. With the specter of the Suniva and SolarWorld casting a long shadow over the industry, considering a storage retrofit to an existing PV plant could be a very ...

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 ...

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.

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 ...

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