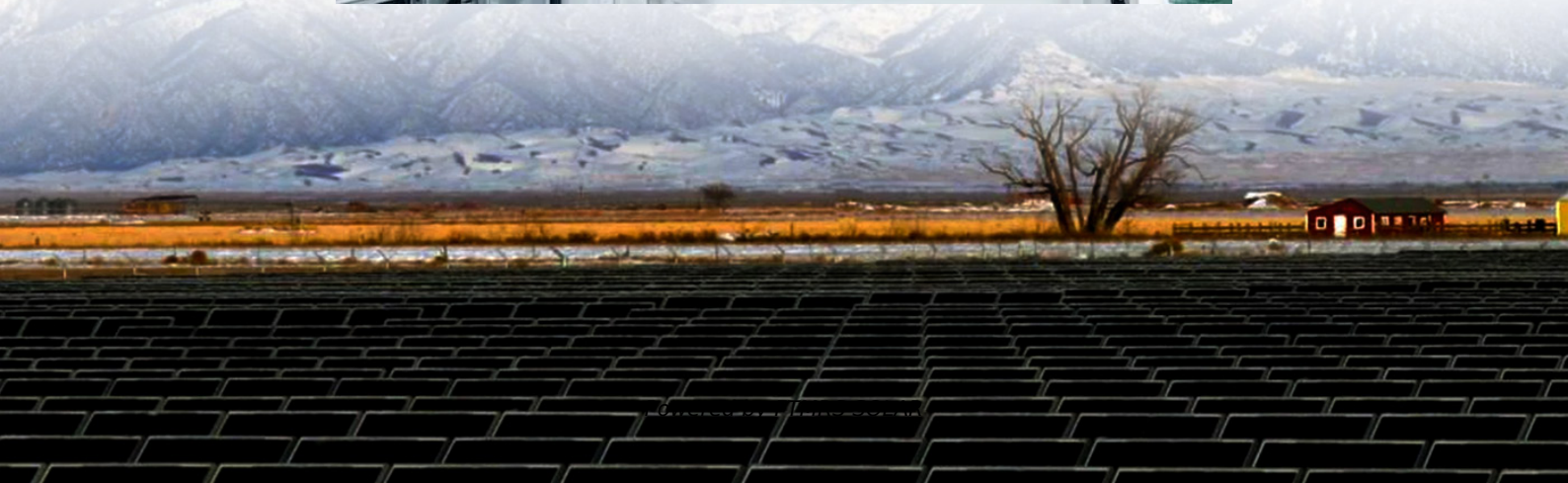


Porto Novo power grid solar container communication station design





Overview

Why should you choose a modular solar power container?

Go big with our modular design for easy additional solar power capacity. Customize your container according to various configurations, power outputs, and storage capacity according to your needs. Lower your environmental impact and achieve sustainability objectives by using clean, renewable solar energy.

What is the next generation power grid?

The next generation power grid is often referred to as smart grids (SGs). Smart grids are achieved by overlaying a hierarchical communication infrastructure on the power grid infrastructure [1–3]. Since January 1 2019, most end-users in Norway should have installed smart electricity meters to manage automated meter readings (AMR).

What is SG & how does it affect power grid security?

SG consists of a number of measurement devices such as smart meters, smart appliances, data aggregators, PMUs, IEDs, RTUs, PLCs, etc. Attacks to SGs can result in loss of data availability, loss of communication control, compromised data integrity, and loss of power. The security of the power grid depends on authentication, authorization.



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