

SolarGrid Energy Solutions

Energy Storage Power Station Security Firewall



✓ TELECOM CABINET

✓ BRAND NEW ORIGINAL

✓ HIGH-EFFICIENCY

Overview

To protect the communications between the renewable energy system, the power plant controller, the power conversion system and the substation system, we suggest deploying stateful firewalls with Modbus deep packet inspection (DPI) in between. What is an energy storage system?

A secure and reliable energy storage system (ESS) can help expand electricity capacity of the renewable energy sector in response to the initiative of increasing the share of renewable energy and stabilizing power supply. An ESS also plays an important role to maintain the security of critical infrastructure.

How to stabilize the power grid?

One of the best ways to stabilize the power grid and offer a steadier power supply is to use batteries that can store surplus power when the supply is high and can discharge power when the supply is low. What Is an Energy Storage System (ESS)?

An energy storage system can convert electrical energy that is generated into a form that can be stored.

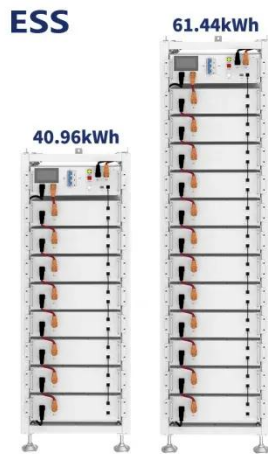
What is an example of energy storage?

A common example of energy storage in the renewable energy sector is the rechargeable battery. A typical ESS in a wind or solar farm consists of the energy management system (EMS) and the power plant controller to monitor and control operations of the ESS in real time.

Will Bess be able to communicate with other power grid entities?

This vision of the future power grid will only become a reality if BESS are able to operate in a coordinated way with other grid entities, thus requiring significant communication capabilities.

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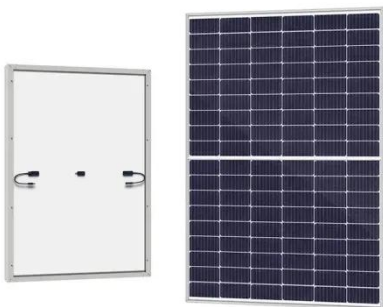
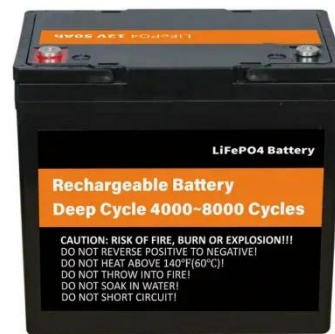
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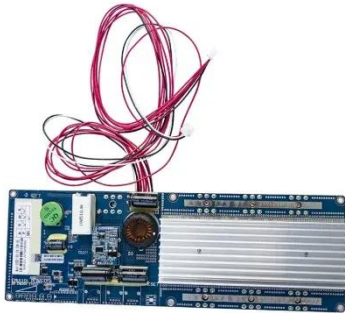
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