Kongres Container

Energy storage system relay protection

- LiFePO$_4$ Battery,safety
- Wide temperature: -20~55℃
- Modular design, easy to expand
- The heating function is optional
- Intelligent BMS
- Cycle Life: ⩾6000
- Warranty:10 years

Overview

What is a protective relay for solar-plus-storage systems?

An Introduction to Protective Relays for Solar-Plus-Storage Systems Electrical relays, protective devices used to switch power on or off for parts of a circuit, have been integrated into circuits for nearly two hundred years.

What is a protection relay?

A protection relay is a smart device that detects and responds to abnormal conditions in an electrical power system. It receives inputs like current, voltage, resistance, temperature, or even light, compares them to set points, and provides outputs such as visual feedback in the form of indicator lights and/or an alphanumeric display, communications, control warnings, alarms, and turning the power off and on.

What does a relay do?

Relays use voltage, current, and frequency set points to initiate an action, and can perform a wide range of functions — from grid isolation to load shedding to turning on a backup generator.

How to detect a grid outage using a SEL 751 feeder protection relay?

In this case, we are using an SEL 751 feeder protection relay to detect a grid outage and then initiate a method of grid isolation, such as a motorized breaker. First, we’ll set a few thresholds to detect grid loss using the Undervoltage, Overvoltage, Frequency, and Directional Power functions.

How does a static relay work?

The static relay receives an input signal, processes it, and decides whether to open or close the circuit. No moving parts are required. Most utilities prefer static relays because they are generally faster to operate, longer-lasting, and more precise than electromechanical relays.

Are electromechanical relays a good choice?

Electromechanical relays are a tried and true technology. They are inexpensive and will work for both AC and DC circuits. While they may not be as durable or fast as static relays, electromechanical relays are a cost-effective option suitable for many applications.

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Contact Us

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