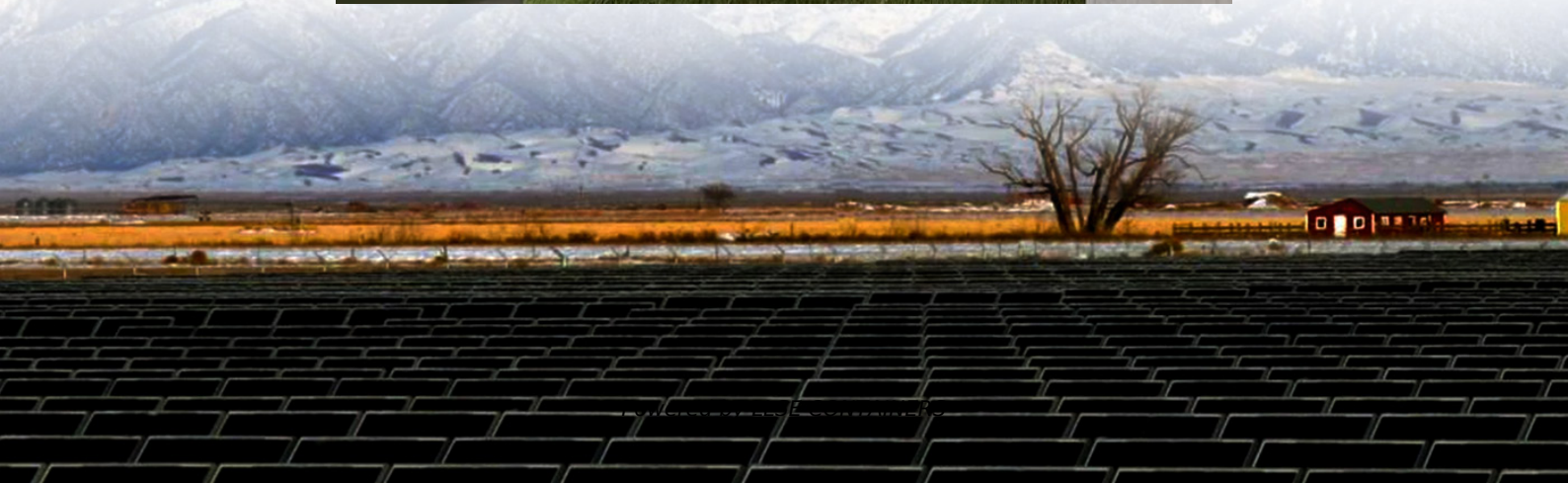


Standard value of protection voltage for solar container communication stations





Overview

How to protect high-end electronics in storage containers?

In addition, battery storage for the power grid forms the basis for energy management (so-called “peak shaving”). In order to provide optimum protection for the high-end electronics in storage containers, one needs a comprehensive lightning and surge protection system.

Do energy storage systems need application-specific protection?

As demand for electricity becomes ever greater, the need to store energy (as well as produce it) also does. Like all electrical installations, energy storage systems need application-specific protection. Energy Storage Systems (ESS) are now a mature technology.

Why should a battery storage system have a SPD?

For the following reasons and consequences, the critical point is the protection of the battery storage system. When the maximum DC operating voltage is very high (1,000 Vdc and more), in such cases a specific SPD is necessary, it being compatible with these voltages and in conformity with the future IEC61643-41.

What are surge protective devices (SPDs) in battery energy storage systems?

Surge protective devices (SPDs) is required in Battery Energy Storage Systems (BESS) BESS systems contain AC/DC converters and battery banks implemented in concrete constructions or in metallic containers.



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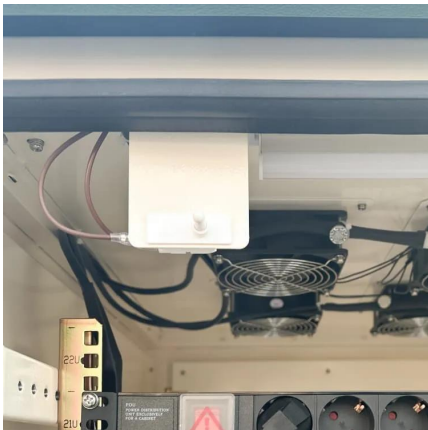
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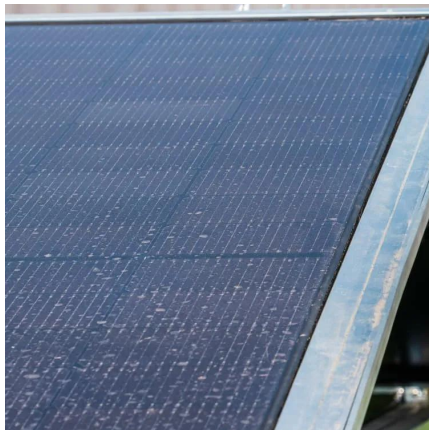
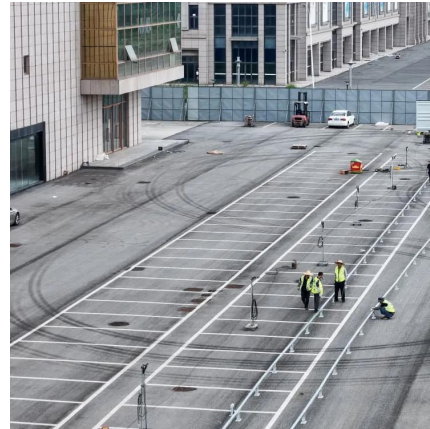
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