



LLSE CONTAINERS

Lightning protection requirements for wind and solar hybrid solar container communication stations





Overview

Which lightning protection standards are available for PV and wind systems?

Many lightning protection standards are available for PV and wind systems. However, standards for hybrid systems remain unavailable. In this section, the CENELEC standard, which is available for PV systems with an integrated external LPS when separation distance is not maintained, is applied to the hybrid system.

How should a lightning protection system be maintained?

An inspection and maintenance procedure is recommended, and may be conducted by the system installer, an authority. Keeping the lightning protection system up to date with current standards ensures the greatest level of safety. When a lightning protection system is upgraded, as-built drawings should be revised to document modifications.

How do you protect a solar system from lightning?

A proper protection measure based on SPDs should be applied to mitigate transient overvoltage under the withstand voltage of the system to be protected. Many lightning protection standards are available for PV and wind systems. However, standards for hybrid systems remain unavailable.

Can lightning protection system components be concealed in building construction?

176) Lightning protection system components may be concealed in building construction. A lightning protection system is a low resistance continuous metallic path designed for the purpose of transferring lightning from the top of a structure into the earth.



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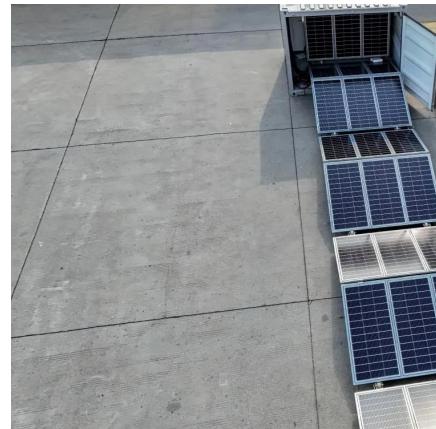
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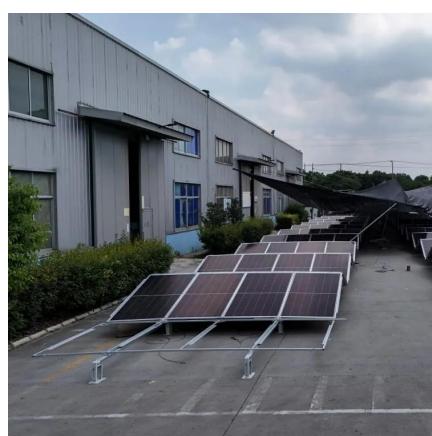


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