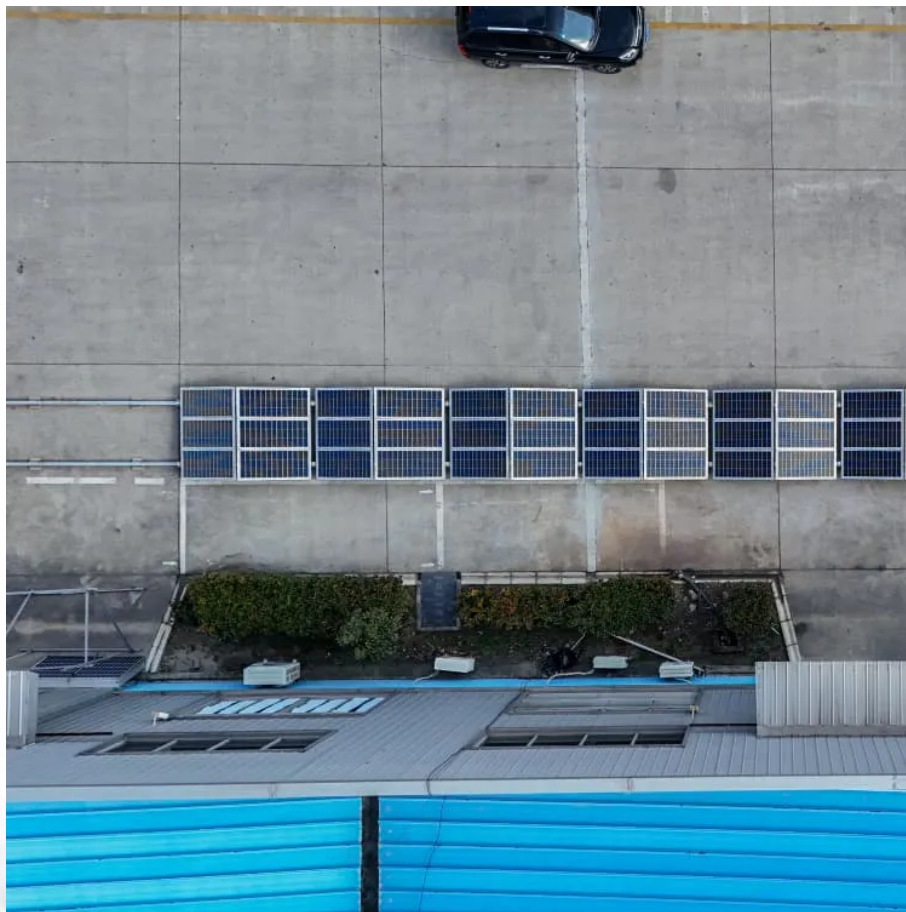


Lightning protection measures for rooftop solar container communication station inverter





Overview

Do rooftop photovoltaic systems need a lightning protection system?

This guideline also requires that LPL III and thus a lightning protection system according to class of LPS III be installed for rooftop PV systems (> 10 kWp) and that surge protection measures be taken. As a general rule, rooftop photovoltaic systems must not interfere with the existing lightning protection measures.

Does a PV system need a lightning protection system?

Necessity of lightning protection on PV system and its barrier An effective lightning protection system (LPS) is necessary for a PV system depending on the location, construction type and utilisation.

Why is a mounting system connected to an external lightning protection system?

If the mounting system is directly connected to the external lightning protection system due to the fact that the separation distance s cannot be maintained, these conductors become part of the lightning equipotential bonding system. Consequently, these elements must be capable of carrying lightning currents.

What is a lightning protection system?

Lightning protection systems are intended to prevent damage to buildings from lightning strikes. We distinguish here between internal and external lightning protection. The external lightning protection serves to collect the lightning and conduct it into the ground.



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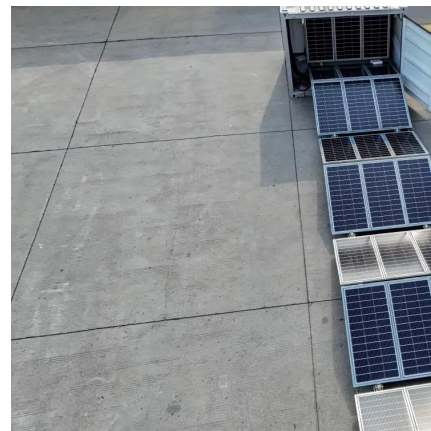
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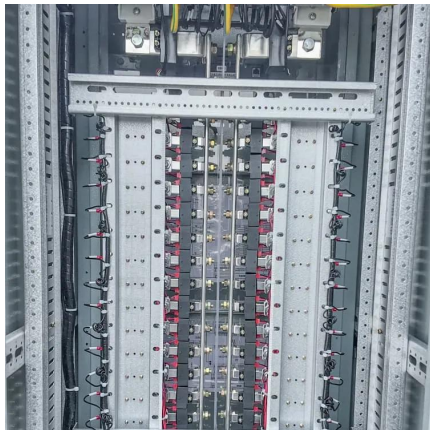
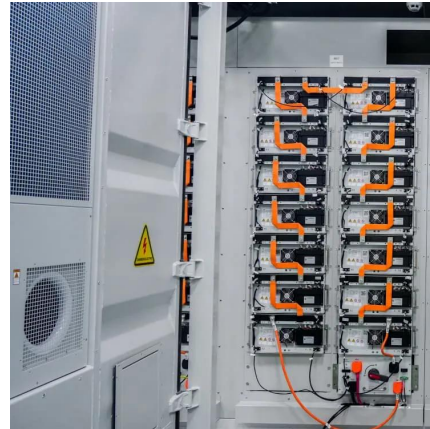
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