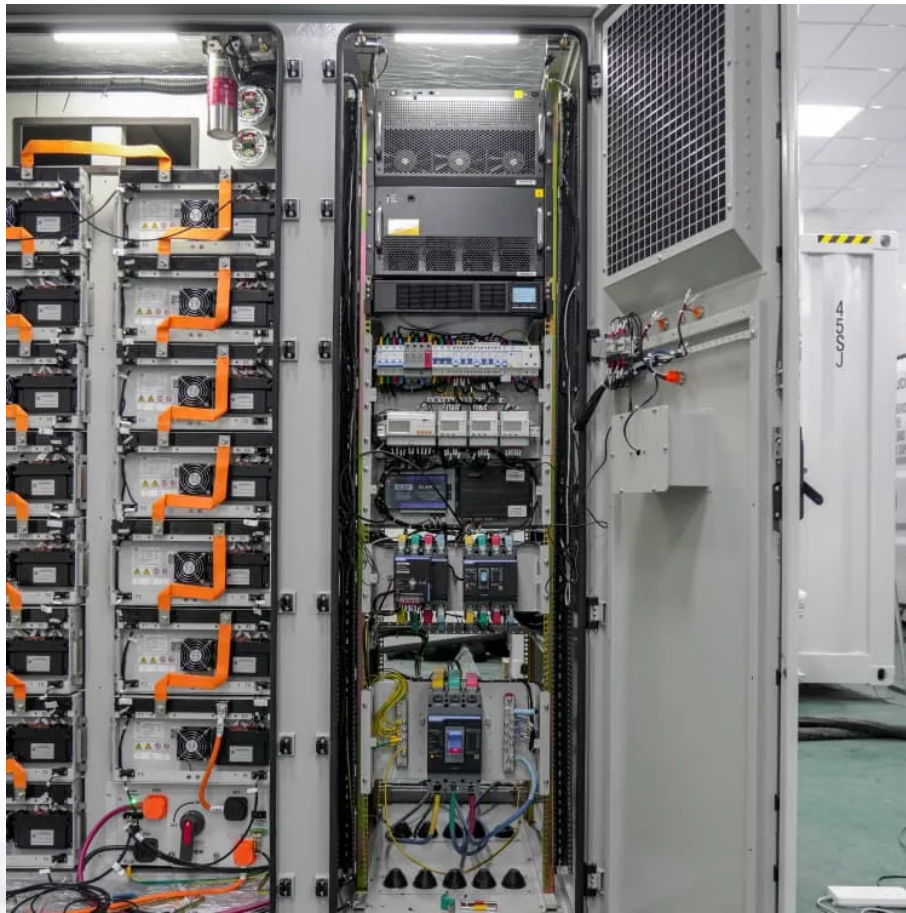


Solar container lithium battery station cabinet grounding method





Overview

Why do battery energy storage systems need grounding and bonding?

For grid-scale battery energy storage systems (BESS), grounding and bonding is essential for safety and performance. The goal of grounding and bonding is to achieve customer-targeted resistance levels. These low resistance levels allow fault currents to easily discharge into the ground, protecting people, equipment and the BESS itself.

How can nVent help you install a total grounding solution?

When installing a total grounding solution, including ground grids, working with an experienced partner is critical. Beyond a complete product offering, nVent can provide turnkey grounding design solutions through site evaluations, 3D modeling and detailed take-offs, ensuring a high degree of system compatibility, interconnection and functionality.

Which grounding products are needed for a turnkey system?

A reliable suite of grounding products is essential to a turnkey grounding system, including ground rods, grounding connections (compression, mechanical, exothermic), theft-deterrent grounding conductors, ground enhancement material, and cutting and crimping tools.

How long does a grounding system last?

High-quality, value-engineered grounding systems are key to meeting the desired BESS infrastructure service life of at least 25 years. Other solutions may meet these requirements initially but will degrade over time. nVent provides tested solutions that will deliver long-term consistent results.



Solar container lithium battery station cabinet grounding method



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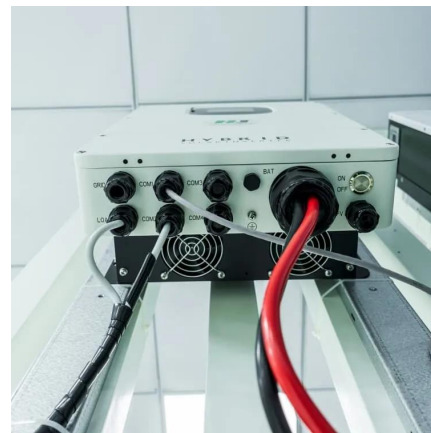


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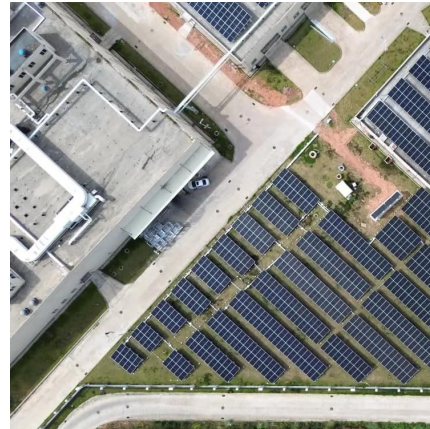
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