

# Communication base station inverter ground resistance standard

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According to the IEEE Std 142-1991 and IEEE Std 142-2007 (The Green Book), the communication tower grounding electrode resistance of large electrical substations should be 1 Ohm resistance or less.

There should be no separately maintained ground rods or ground systems that are associated with the communications shelter, site, building, or equipment room. Adherence to these requirements ...

Measure grounding electrode system resistance using an earth test meter, clamp-on ground tester, or computer-based ground meter as defined in IEEE 81. Record ground resistance measurements ...

Comply with UL 467 for grounding and bonding materials and equipment. All bonding and grounding components shall be listed for the purpose intended and approved by a National Recognized Testing ...

The telecommunications industry has often used 5 ohms or less as their value for grounding and bonding while electric utilities construct their ground systems so that the resistance at ...

A solution combining a grounding transformer, grounding resistor and neutral blocking reactor will meet these defined requirements while also preventing common mode circulating current from overloading ...

This report provides background and technical discussion of the definition and evaluation of system grounding in situations, along with the effectiveness of supplemental ground sources, ...

In this paper, we propose a simple logistic method based on two-parameter sets of geology and building structure for the failure prediction of the base stations in post-earthquake.

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