

Secondary grounding of the secondary distribution box



Overview

The secondary side is solidly grounded and connected with MV grounding. It is a 4-wire system and system neutral is multiply grounded at each pole and at a sub panel is a secondary distribution point that receives power from the main service panel, allowing for the extension of electrical service to a remote area of a building or a separate structure like a garage or shed. Grounding is necessary to assure correct operation of electrical devices, to assure safety. Power from factory ground must be installed by a qualified electrician. Each DISTRIBUTION BOX and controller must be grounded. 26 mm² (10 AWG) ground wire must be used, and in all other markets a 6 mm² must be used. Grounding of the units: Attach a ground wire from one of. The system grounding arrangement is determined by the grounding of the power source. NEC Article 100 defines this as “connecting to earth or to some conducting body that serves in place of the earth.



Article Content

Microsoft Word

33 kV and 13.8 kV Systems These are 3-wire primary systems with the metal screen /armor of MV cables is grounded at all cable termination points. MV neutral of power transformers is grounded

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

