

It provides an explanation for the high-frequency vibration of busbar shell structure and an objective basis for the design of the busbar enclosure in the ultra-high-voltage substation.

Voltage drop and low voltage at the load are more than just a nuisance; they can be a significant issue. It can cause circuits not to function at all (not good) or function erratically when the ...

The article presents an analysis of the vibrations of tubular rigid busbar located at a power station. The analysed case concerns a real-life situation involving wind acting on a circular ...

Its objectives are twofold: (i) to determine and compare the electrical resistance of the three different types of hybrid busbar joints under service conditions and (ii) to understand how these ...

The amplitude of these vibrations depends on many factors, which include, among the others: the way the busbars are placed, the type of material of which those are made of and the ...

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Electricity vibrates, all of it. When current flows through a conductor, it creates a magnetic field around it. The higher the current, the stronger the magnetic field. In AC, the fields are changing up and down in ...

To explore the vibration response of the GIS busbar enclosure in a strong electric field, the electric force on the busbar enclosure was solved by the voltage in the circuit and the...

The presence of coronal is impacted by: o Voltage level and safety factor, Voltage level and surface imperfections, Phase conductor size and/or bundle arrangement, Connector - apparatus ...

High-voltage busbars are important electrical components in today's electric vehicle battery systems. Mechanical deformations in the event of a vehicle crash could lead to electrical busbar failure and ...

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