Micro-meteorological monitoring of China Southern Power Grid

Incorporating monitoring data from renewable energy sources--such as anemometer tower measurements at renewable energy sites--and micro-meteorological monitoring data from the ...

The icing on power transmission lines, as a major hazard affecting the safety of electricity usage in China during winter, poses a significant challenge in systematically evaluating the weather ...

With the continuous deepening of the construction of smart grid, China has made remarkable progress in the micro-meteorological monitoring and analysis technology of power grid ...

The goal is to provide guidance for the causal analysis and forecasting warnings of power transmission line icing in the complex microterrain of the southern region.

This paper introduces the current situation of micro-meteorological disaster monitoring, analyzes the main problems in the construction of micro-meteorological disaster monitoring and warning system, ...

There are a lot of natural hazards affecting power system, such as typhoon, ice, thunder and lightning, earthquake, etc. The common hazards affecting CSG are typhoon and icing disaster.

Meteorology plays a key role in the reliability of power equipment and the operation of power system while the meteorological information that we get isn"t accuracy. Many experts put ...

This study adopted literature review and systematic analysis approaches, focusing on the current applications of meteorological services in the power system, including meteorological monitoring, ...

This paper aims to provide readers with insights into the effects of micro-meteorology on power systems, as well as the actual improvement brought by micro-meteorology in some power ...

Based on the icing monitoring data from China Southern Power Grid from 2014 to 2021, the approach fused images with micrometeorological time series for the first 3 days at 6 intervals to ...

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