

Lightning protection level of wind and solar complementary communication base station

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While the cross-section and material of the conductors used in this system vary according to the magnitude and frequency of lightning, the surface protection of the conductors is critical for ...

The communication base station installs solar panels outdoors, and adds MPPT solar controllers and other equipment in the computer room. The power generated by solar energy is used by the DC load ...

The system integrates solar MPPT power module, wind energy access unit, rectifier module, heat exchange unit, AC/DC distribution, lightning protection, and reserves installation space ...

Install lightning rods, grounding, surge protectors, shielding, and follow standards for effective communication station protection.

The lightning protection level (LPL) is generally recommended to be LPL1, which is the highest level of protection. Lightning is an atmospheric discharge of current.

How does a lightning protection system work? Reduces the risk of a direct strike by lowering the electric field to below lightning-collection levels within the protected area. Safely collects any strikes it cannot ...

The need of protection is obtained from the methodology contained in IEC 62305-2, which is used to determine the relevant lightning protection level (LPL) for the installation.

May 1, 2021 · This Recommendation addresses the practical procedures concerning the lightning protection, earthing and bonding of radio base station (RBS) sites.

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