

Normal loss of outdoor power supply

Why is reducing power losses important?

Reducing power losses contributes to greater energy efficiency and security of supply and is an important goal, especially since the costs of power losses are often passed on to consumers. This report includes a set of recommendations for good practices that could be adopted to reduce power losses and enable easier comparison among countries.

What is a power loss?

As was determined in the previous CEER Reports on Power Losses, their definition is not standardised and can vary from country to country. In most cases, losses are understood to be the difference between the energy flowing into and out of a grid, but there are countries that do not use this approach.

Why are power losses a problem?

Power losses are embedded with the fact that the location of energy production is not the same as that of its consumption. Due to technical, but also non-technical reasons, part of the energy injected by generators into the grid does not reach any final consumers but rather gets 'lost' in the transportation process.

What happens if a power supply fails?

The immediate effect of a failing power supply is the malfunction of the device it powers, ranging from intermittent operation to complete failure. This can have significant consequences for critical systems. 2. Data Loss For devices that store information, power supply failures can lead to data corruption or loss.

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