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South Korea s communication base station wind and solar complementary conditions



Overview

How much solar radiation does South Korea receive a day?

The following discussion is based on an average daily solar radiation for South Korea of 4.0 kWh/m² and a wind speed of 4.0 m/s as a case study. However, this discussion can be extended to include other cases of solar radiation, with a slight difference in the IC, O&M, and salvage costs.

Which region in South Korea has the lowest solar radiation?

In contrast, in the northwestern region around Seoul, solar radiation is lowered to approximately 4.7 kWh/m² /day, and Gochang, located at the western coast of South Korea, shows the lowest solar radiation of 4.48 kWh/m² /day.

What is the average wind speed in South Korea?

The average wind speed in the most of the interior of South Korea does not exceed 4 m/s. However, the wind speed above 7.5 m/s can be observed in the mountainous regions nearby east coast, the southeastern coast, and Jeju Island which is located at the below of the peninsula.

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