

The proportion of solar power generation system in solar container communication stations is long





Overview

Solar photovoltaic (PV) systems have developed rapidly in China, and the issues on where to locate the solar PV stations become critical. In some provinces, the markets are already saturated, and even solar e.

Are communication and control systems needed for distributed solar PV systems?

The existing communication technologies, protocols and current practice for solar PV integration are also introduced in the report. The survey results show that deployment of communication and control systems for distributed PV systems is increasing.

Should solar PV stations be deployed at provincial level in China?

Optimized deployment of solar PV stations at provincial level in China is depicted. Northwest and northeast China lack demand for new solar PV stations in recent years. Developed provinces should be highly encouraged to deploy more solar PV systems.

How many new solar PV stations will be installed in 2022?

In 2022, only Hebei and Guangdong are encouraged to deploy more than 1500 MW newly-added solar PV stations. Almost two-thirds of P/MS do not rely on newly constructed solar PV systems to meet the RPS targets. The newly-added installed capacity in the other 9 provinces is less than 500 MW.

How do different types of solar PV stations affect economic performance?

The economic performance of solar PV stations is affected by the types of stations. For LSPV, all the generated electricity is sold back into the grid; while for DSPV, the generated power should meet the electricity demand for self-consumption first, and then the surplus gets fed back.



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