

# New OTC photovoltaic power station

Where are photovoltaic devices being installed?

Presently, the world is going through a euphoric rush to install photovoltaic (PV) devices in deserts, over water bodies, on rooftops of houses, vehicles, and parking spaces, and many other applications.

Should PV power stations be monitored?

The monitoring of PV power stations would be meaningful for both researchers and government officials. As mentioned above, the last decade has witnessed the widespread of PV power stations in China, where much previous gobi, grassland, water bodies and mountain land have now been covered by newly-built PV power stations (Fig. 1).

What are PV-powered charging stations?

PV-powered charging stations (PVCS) may offer significant benefits to drivers and an important contribution to the energy transition. Their massive implementation will require technical and sizing optimisation of the system, including stationary storage and grid connection, but also change of the vehicle use and driver behavior.

Are roads and industrial roof tops misclassified into PV power stations?

Other land cover types especially the roads and industrial roof tops may be misclassified into PV power stations. The drawback of this study is that roads and other facilities have not been classified, leading to a risk of underestimating the areas of PV power stations.

Where are PV power stations located in China?

It should also be noted that with the rapid development of China's PV industry, increasingly more eastern provinces built large-scale PV power stations, including Jiangsu, Anhui and Shandong Province. Areas of PV power stations for each province of China.

Can remote sensing derived data be used for large-scale photovoltaic power stations?

Scientific Data 11, Article number: 198 (2024) Cite this article We provide a remote sensing derived dataset for large-scale ground-mounted photovoltaic (PV) power stations in China of 2020, which has high spatial resolution of 10 meters.

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