

Clearly, Macau has a tremendous potential for developing solar energy, especially a grid-connected photovoltaic system. Its small and densely populated area, however, make it unsuitable for large-scale solar-power plants, and Macau has therefore chosen roof-top solar technology as the most effective way to utilize solar energy.

Can Macao increase solar energy?

The Macao government also sees an opportunity to increase solar energy. To encourage the installation of PV systems, officials passed a set of safety and installation regulations in 2015.

Does Macao have a photovoltaic energy contract?

The regulations require investors to enter into a 20-year contract for the purchase of photovoltaic energy with Macao's sole energy service provider, Companhia de Electricidade de Macau(CEM). Essentially CEM will purchase the electricity produced to ensure investors profit within a reasonable period.

How can Macau achieve energy sustainability?

Therefore, Macau needs to both continue and improve energy-saving education, especially in elementary schools, to foster energy-saving habits in childhood. Efficient use of energy in buildings and in the transportation sectoris the key to attaining energy sustainability in the city of Macau.

How many photovoltaic interconnections have been completed in Macao?

In response to a written inquiry from Macao News,the Environmental Bureau said that only five photovoltaic interconnectionswere completed by the end of March 2021. Meanwhile,the bureau received about 25 inquiries from local schools,industrial and commercial buildings and public utilities.

Is energy consumption increasing in Macau?

As discussed above, the total energy consumption in Macau still showed an increasing trend. However, as shown in ,from the perspective of energy consumption per capita and energy intensity per million MOP (the Macau dollar; 1 US dollar?8 MOP), there have been some significant improvements.

## **MACAO COMMUNITY SOLAR**





In addition, USJ staff encourage students to design products with the local community in mind. "We always have Macao as a setting for our projects," says Martins. "Because most of our students are from Macao, we often ask students???



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## **MACAO COMMUNITY SOLAR**





Location: Ideally situated in the vibrant and colorful Macao community, this distinctive enclave offers a collection of A & B-style residences and a vacation hotel. With 25 villas, 16 hotel ???