



Agri-PV agricultural green-house solar mounting system Sunice Solar

What is agrivoltaics (Agri-PV)?

This requires a large amount of land, including agricultural land. Agrivoltaics (Agri-PV) is an innovative solution that combines these objectives. Agri-PV plants are solar systems that are installed on agricultural land. They combine the production of clean solar energy with agriculture and thus create a sustainable symbiosis.

Who is sunice solar?

Founded in 2012, Sunice Solar began its journey by providing high-quality solar mounting systems globally. Today, we are a premier solar energy project investor and installer, dedicated to expanding the adoption of renewable energy across Southeast Asia.

Why should you choose sunice solar?

We are committed to providing customers with reliable, long-lasting, and cost-effective solutions for solar PV system investment and installation, tailored for residential, commercial, and industrial applications, including rooftop, ground-mounted, and floating solar systems. "SUNICE SOLAR is a leading global solar system provider, HQ in Singapore.

What are the benefits of solar Agri-PV plants?

Saving water: The solar modules provide shade and can thus protect the soil surface from intense solar radiation and reduce the evaporation of water from the soil. Agri-PV plants can also be designed to collect and store rainwater. The collected rainwater can then be used to irrigate the agricultural crops.

What is agrivoltaics?

Agrivoltaics is the utilization of sunlight for both plant production and solar energy harvesting^{2,3}. These two fields are often seen as competitive rather than cooperative because they can both occupy large areas of land to maximize sunlight utilization.

What are agrivoltaic principles?

Conceptualization of key agrivoltaic principles. (a) Ideally, agrivoltaic systems would have high transmission of photosynthetically active radiation (PAR; photons between 400 and 700 nm). The simplest implementation of agrivoltaics is by deploying opaque modules over or adjacent to crops.



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