



SolarTech Power Solutions

Solar integrated garden



Overview

What is an agro-ecological photovoltaic garden?

The innovation given by the approach of an Agro-Ecological Photovoltaic Garden is to be planned and integrated within an agricultural company involving other stakeholders, e.g. cattle breeders, developing grazing calibrated on the livestock needs of the species to be reared and the vegetation and type of PV technologies used.

Can PV systems be integrated into rooftop gardens?

Using an interdisciplinary study, various designs were developed for prototypical applications to integrate PV systems into rooftop gardens, with a specific focus on retrofitting flat roofs. The prototypes were analyzed and tested based on structural design aspects, suitable plant choices, and energy output.

What is solar trees marketplace?

The marketplace becomes an extension of the natural landscape, the solar canopy filtering the sunlight to allow people to enjoy the health and wellbeing benefits of shopping outdoors. Distinguished by its biophilic structure, Solar Trees Marketplace (Shanghai, China) incorporates considered environmental and sustainable design initiatives.

What is solar trees?

Distinguished by its biophilic structure, Solar Trees incorporates considered environmental and sustainable design initiatives. The timber branches and leaves of thirty-two man-made trees sit above the footpath to provide shelter and shade, while allowing natural light and fresh air to permeate the marketplace.

What are ecological functions integrated with ground photovoltaic farms?

Ecological functions integrated with ground photovoltaic farms process

management for increasing business income and landscape value. Stakeholders' involvement process for creating knowledge spillover and overcoming the gaps between social, ecological, and economic visions and interests.

What is Phase 1 - solar trees marketplace?

Phase I. - Solar Trees Marketplace is designed for longevity. Planned to adapt and remain relevant as the needs of its owners change over time.

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