

## HYBRID (PVT) DOUBLE-PASS SYSTEM FOR AGRICULTURAL PRODUCTS: REVIEW

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### ABSTRACT

*The drying process plays a crucial role in post-harvest technology for the preservation of agricultural products. Due to the increasing cost of electricity and fossil fuels, application of sustainable solar energy for drying of various agricultural, meat and fisheries products has become a desirable alternative. It is not only economical but also reduces greenhouse gas emissions. Solar drying is a clean and hygienic way to process products according to national and international standards. The component analysis for designing a hybrid photovoltaic thermal double-pass system is covered in this review. The aim of this review was to gain an understanding of mixed-mode solar dryers for agricultural applications by investigating the influence of solar collection, thermal storage, photovoltaic panels, and control methods.*

**KEYWORDS:** *Solar Dryers, Solar Thermal Collectors, Thermal Energy Storage & Hybrid Photovoltaic Thermal Double-Pass System*

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