

Espay Solar Energy S.L.

Solar power generation intensive tobacco curing room



Overview

The solar power generation device can provide power for electrical equipment in the flue-cured room, reducing investment in electrical equipment and reducing comprehensive electricity costs. Moreover, it can be automatically controlled to realize fully automatic intelligent. The present invention relates to the technical field of tobacco flue-curing equipment, and more specifically, relates to a fully automatic solar-powered tobacco flue-curing room. A first fan is arranged at the lower part of the hot air chamber near the air inlet, and a second fan blowing upward is arranged at the lower part of the flue -cured room opposite the first fan. The design accommodates dimensions of maximum cross-section of a tobacco leaf at 68 centimetres long and 40 centimetres wide. According to design if a curing barn is properly insulated, wood energy required is 28MJ/kg instead of the traditional 32, reduce heat that could be used in the during the curing of flue-c of the most widely planted tobacco types in China.

Solar power generation intensive tobacco curing room



Cyclically solar-heated tobacco curing barn

The invention relates to the technical field of tobacco curing equipment, in particular to a cyclically solar-heated tobacco curing barn.

Design and Simulation of a Renewable Energy Solar Powered

curing system in a barn for bulk tobacco curing.



P4 29965 Nelson Shati et al

The initiative is to design a prototype tobacco curing barn for use with solar thermal collector tobacco curing energy systems. The design accommodates dimensions of maximum cross-section of a ...

Automatic solar energy tobacco flue-curing house

The present invention relates to the technical field of tobacco flue-curing equipment, and more specifically, relates to a fully automatic solar-powered tobacco flue-curing room.



Solar power generation in tobacco flue-curing room

In view of the abundant solar energy available during the tobacco curing season, a solar hot-water installation to provide auxiliary heating for bulk tobacco-curing operations

Research on the Characteristics of Photovoltaic, Storage, Direct

This paper discusses the photovoltaic energy scenarios in Chongqing area and reviews the progress of research on solar energy-assisted heating systems in flue-cured tobacco production. It analyses the ...



Design and Simulation of a Renewable Energy -Solar Powered

In an effort to tackle the elevated tobacco curing costs, a solar energy driven automated bulk tobacco curing

barn system was designed, modelled and simulated to confirm the thermal energy distribution ...



Design and Simulation of a Renewable Energy -Solar Powered

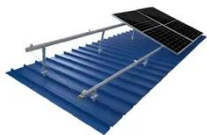
This study present the results of a proposed design of renewable energy (solar energy) fuelled tobacco curing system in a barn for bulk tobacco curing.



TILE ROOF SOLAR MOUNTING SYATEM



STANDING SEAM ROOF SYATEM



ADJUSTABLE TILT FLAT ROOF SYATEM



TRIANGLE FLAT ROOF SYATEM

Insulation full-automatic solar tobacco curing barn

The solar power generation device can provide power for electrical equipment in the flue-cured room, reducing investment in electrical equipment and reducing comprehensive electricity costs. Moreover, ...

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