



# RUDRA SOLAR ENERGY

## Solar Dryer for Food Processing

**MODEL NO RSDSS25**



# Why Rudra Energy Solar Dryer?



Produces hygienic, clean and safely dehydrated products



Zero energy cost to run the dryer



Highly nutritive and value added fruits and vegetables after drying



High income opportunities to rural women & farmers



Ensures pollution free and ecologically friendly environment during the processing



Offers most suitable post harvest technology for processing fruits and vegetables as new products



Reduces the spoilage and wastage of fruits and vegetables



Processing of forest produce like fruits, gums, medicinal & herbal plants serve as sustainable livelihood to the rural masses

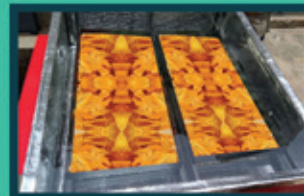
## Our Product Illustration



Fresh Pineapple



Cut the pineapple into slices or cubes



Solar drying the slices/ cubes



Pineapple chips ready for packaging

## Parts and specs of 25 kg Capacity Solar Dryer

### MODEL NO RSDSS25 MAKE RUDRA SOLAR ENERGY

Sr. No.	Sub-Assembly	Material specifications	No.
1	Main Collector and dryer body	SS 202 food grade Sheet metal Fabrication Size 6.5 ft x 3 ft x 1 ft inclined Slope Structure coated with black selective coating (0.85absorptivity)	1 no
2	Drying tray	Size 16" x 32" x 1" SS 304 food grade drying tray with buffing Finish	4 nos plain and 4 nos perforated
3	12v dc fans For Moisture removal	12v dc fans For Moisture removal size 4 inch 55 cfm	2 nos
4	Solar Panel 30 watt	12 v DC Solar Panel 30 watt Poly crystalline	1 no
5	Solar Panel Stand	Solar Panel Stand	1 no
6	Support leg For Dryer	Support leg For Dryer 6 inch long with swivel base locks and easy for movements	4 nos
8	Top and Front transparent sheet	High quality UV treated Poly carbonate sheet 1.5 mm thickness. Transmitivity Minimum 85%	1
9	Door Lock Knobs	Door Lock Star Knobs with proper l Bolts	4 nos
9	Dust and insect filters	High quality Dust filters	4
9	Control board	Two switch board with panel connector	1
9	Fan Protection Circuit	Input 12 to 20 vdc and output 12 v dc constant voltage circuit to prevent the fan damage.	1
9	Temperature meter	Analog temperature meter 2.5 inch dial with 4 inch long probe 0 – 110deg.	1
10	Fan Circulation Backup SMPS	230 V AC to 12 V DC for circulation of the fans during night and when there is no sun.	1





## **RUDRA SOLAR ENERGY**

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