

## ContainerPower Energy Solutions

# Refining solar panel equipment



## Overview

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What can a solar PV panel recycling machine do for You?

With solar PV panel recycling machines, valuable materials such as copper, silver, silicon, plastics, and glass can be recovered from their components such as aluminum frames, toughened glass, EVA encapsulation materials, solar cells, back sheets, and junction boxes and reused in the production process.

How does sunygroup recycle solar panels?

SUNYGROUP's equipment recycles waste photovoltaic panels through physical means such as automatic dismantling, crushing, and sorting, so as to achieve the purpose of recycling useful components. ① The power box and aluminum frame of the solar panel are removed by a specialized dismantling machine.

What is solar PV recycling?

Solar PV recycling (photovoltaic) is an up and coming waste stream generated in both consumer and commercial fields of use. While demand may not be terribly high at the moment, there are many early-era solar power systems or solar PV systems that will soon be reaching their end of life cycle.

How to remove aluminum frame from solar panels?

Aluminum frame removing machine: Removing the aluminum frame at the edge of the solar panel. Crushing and sorting machines: The treated solar panels then pass through the crushing and sorting equipment to obtain metal powder.

Can solar panels be recycled?

The rest of the components in a solar panel consist of good quality glass, aluminium frames, polymers, silicon, copper and silver paste (used for the printed conductors on each cell), all of which ( $\geq 95\%$ ), can be successfully recycled.

What materials are used in photovoltaic panels?

Photovoltaic panels contain high components such as glass, aluminum, adhesive sealant, silicon, and silver, as well as rare metals such as steel and gallium, which have very good resource utilization value.

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