

# Photovoltaic panel dust removal patent



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### Dust removal device for photovoltaic panel for photovoltaic

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A dust removal device and photovoltaic power generation technology, applied in the direction of removing smoke and dust, cleaning methods using tools, cleaning methods and utensils, ...

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### 112886915 Segmented cleaning type photovoltaic component dust removal

The invention discloses a segmented cleaning type photovoltaic component dust removal device which comprises a shell and is characterized in that a spherical base is arranged above the shell, a battery ...



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### Electrodynamic dust removal technologies for solar panels: A

This paper reviews electrodynamic dust shield (EDS) systems used to mitigate dust adhesion and accumulation on optical elements, such as photovoltaic (PV) panels. The EDS system ...

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## Research on the electrostatic dust elimination method for solar panels

To solve the problem of power generation reduction caused by dust accumulation on solar panels and further improve the solar energy utilization rate of photovoltaic (PV) modules, the ...

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## Automatic dust removing device for solar photovoltaic panel

A technology of solar photovoltaic panels and automatic dust removal, applied in the field of electromechanical, can solve problems such as waste of manpower and material resources, ...

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## Efficient dust removal device for solar photovoltaic panel

A technology of solar photovoltaic panels and dust removal equipment, applied in photovoltaic power generation, photovoltaic modules, electrical components, etc., can solve ...

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## What are the patents for photovoltaic panel dust removal

Here, an autonomous dust removal system for solar panels, powered by a wind-driven rotary electret generator is proposed. The generator applies a high



voltage between one solar panel's output ...

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### WO/2025/236545 ACOUSTIC DUST REMOVAL APPARATUS FOR SOLAR PHOTOVOLTAIC PANEL

The present application discloses an acoustic dust removal apparatus for a solar photovoltaic panel, comprising a moving part, wherein the moving part is mounted on a solar ...



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### Design and test of pneumatic dedusting equipment for photovoltaic panels

Finally, a pneumatic dedusting equipment with the dust removal device was built and the cleaning performance tests were carried out. The test results show that the photovoltaic power ...

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