

# Electrode Ink for Backside of Solar Cells

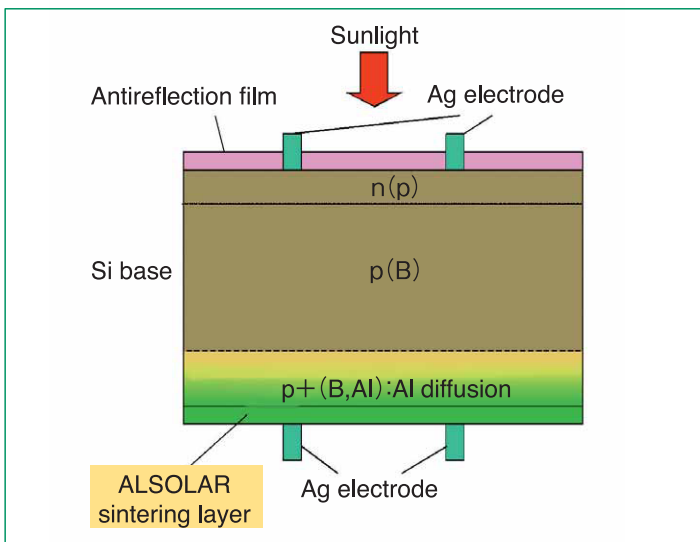
## Feature

- Integrated production from aluminum powder material (ensuring stable quality and supply).
- Customization according to user specifications (allowing designing from powder according to the performance requirement of each wafer and cell).
- Possible to supply lead-free ink as an environmental protection activity.

## Overview

(Technical principles, actions, etc.)

Toyo Aluminium K.K. has recently developed ALSOLAR®, which is electrode ink for solar cells. If ALSOLAR® is applied to the backside electrode of a crystalline silicon solar cell and sintered, the power generation efficiency of the crystalline silicon solar cell will increase. Solar power generation is an environment-friendly energy generation system that uses solar cells to convert sunlight directly into electric power. The system in operation does not generate CO<sub>2</sub>, noise, or toxic substances. Therefore, an expansion in the use of the system is greatly expected in future for the protection of the global environment. Toyo Aluminium K.K. will continue contributing to society through the development of environment-friendly products.



ALSOLAR® (Ink for solar cell electrodes)



Solar Panel using ALSOLAR®

Applicable field  
Solar Cell Manufacturer

Water

Energy saving/Energy recovery

Energy storage/Energy creation

New energy

Waste disposal/  
Recycling/  
Resource saving

Air

Soil

Other

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※Note: This publication introduces examples of technologies and products believed useful towards solving environmental and energy issues. In no way does it constitute guarantees concerning their transfer or sale.