

## PEES Power Systems

# New patent for solar panels



## Overview

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The 72-cell panels, comprised of Oxford PV's proprietary perovskite-on-silicon solar cells, can produce up to 20% more energy than a standard silicon panel. That's why we're pleased to announce a new patent licensing agreement with AIKO, an important milestone for global IP protection. Patents play a critical role in incentivizing technological advancement, and this agreement underscores how investment in technology can benefit the entire global solar. These are the initial questions the innovation management team at the U. 05 Sept 2024 — Oxford PV, a global leader in next-generation solar, has started the commercialisation of their. If you're innovating in the solar industry, patents will be a primary tool for legally protecting your IP. This is because solar power systems can typically be reverse engineered by competitors, which means you can't protect them as trade secrets — making patent protection your best bet.

## New patent for solar panels

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### Enertopia's solar patent boosts panel efficiency by 13.8%

Enertopia's newly patented Solar PV Heat Recovery System represents an exciting breakthrough in renewable energy technology designed specifically for improving photovoltaic ...

### Maxeon's New Patent Licensing Agreement with AIKO Reinforces the ...

That's why Maxeon solar panels are backed by performance guarantees of up to 40 years, among the strongest in the industry. The new patent licensing agreement with AIKO is more than a ...



Warranty  
**10 years**

LiFePO<sub>4</sub>

Intelligent BMS

Wide Temp:  
-20°C to 55°C



### New cooling system patent promises significant boost in solar panel

Scientists have developed a new cooling device that can significantly enhance electricity generation in solar power systems.

## 46 Patents, One Fiscal Year , NLR

In Fiscal Year 2024, researchers at NREL submitted a record-breaking 294 innovations, representing potentially patentable inventions or copyrightable software.



### New cooling system patent promises significant boost in solar panel

Solar panels can lose efficiency as they heat up, leading to decreased energy production. However, a new cooling system patent has the potential to change the game by significantly boosting ...

### Solar Power: An Overview of the Patent Landscape

According to Nature Communications, solar power is currently on track to become the world's dominant source of power by 2050. If you're innovating in the solar industry, patents will be a ...



### Federal Circuit Orders Reassessment in Solar Panel Patent Challenge



The case revolves around a dispute over the validity of a patent related to safety mechanisms in solar panels. SunSpec Alliance had previously contended that certain claims within ...

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## **New cooling system patent promises significant boost in solar panel**

Scientists at the University of Sharjah have secured a U.S. patent (US12341471B2) for an innovative cooling system designed to enhance the performance of solar photovoltaic (PV) panels.



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