



# Solar power generation soft film roll

Could a lightweight solar photovoltaic film revolutionize solar-powered energy?

Amcor and Power Roll's collaboration aims to revolutionize solar-powered energy by developing a lightweight solar photovoltaic film that can deliver a low-cost alternative to silicon solar panels.

Can power roll print low-cost solar film?

Since 2012, UK-based Power Roll has been working on a way to print low-cost solar film. It's now one crucial step closer to manufacturing its lightweight film, with a new design for its perovskite solar cells that should drop production costs.

What is power roll?

The film is produced using cost-effective roll-to-roll manufacturing techniques, commonly employed in other industries, making it an innovative and scalable solution for next-generation solar energy. Power Roll is a low cost, lightweight, flexible solar film that can be easily applied to almost any surface.

Can solar film revolutionise the solar energy industry?

"The innovative solar film technology developed by Power Roll has the potential to revolutionise the solar energy industry, providing ultra-low-cost green electricity on a global scale," says Frank Lehmann, Vice President of Corporate Venturing and Open Innovation at Amcor.

Power Roll designs and manufactures lightweight, flexible photovoltaic (PV) film that can be applied to surfaces where conventional solar panels are impractical due to weight constraints.

Power Roll's innovative film material provides a flexible and lightweight solution suitable for various applications, including fragile rooftops, facades, off-grid power generation, and the ...

U.K.-based Power Roll has been working on a way to print low-cost solar film to generate clean energy from sunlight. It's now one crucial step closer to manufacturing its lightweight, apply ...

Power Roll, headquartered near Seaham, County Durham, is a leading technology disrupter in the flexible PV market that has developed an innovative, lightweight solar power film for ...

We're building the next generation of solar PV modules. Our patented solar film combines thousands of mighty Microgrooves with Perovskites - an abundant mineral and the perfect partner for solar ...

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The future of solar power is changing with Power Roll Solar Film, a lightweight and flexible solar panel that can stick almost anywhere to generate energy. Developed in collaboration with ...

The lightweight nature and ease of application make Power Roll's solar film particularly valuable for various applications. It can be installed on non-load bearing rooftops or transported ...



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Enabling solar energy generation in diverse environments with limited structural support and high material efficiency. The Power Roll Flexible Solar Film is a groundbreaking solution in the renewable ...

Lightweight, flexible solar energy systems are now achievable because of the work being done by UK-based Power Roll. Power Roll has worked on an innovative solar film since 2012 to ...

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