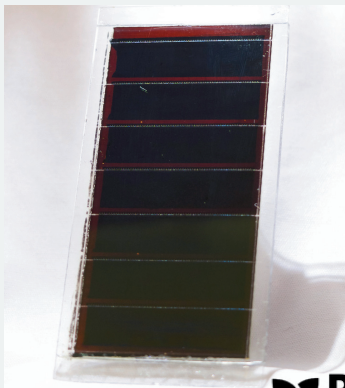


Solaires PVMODULES



Recycling light to power electronic devices using Solaires' **PEROVSKITE** photovoltaic technology



BENEFITS

- ✓ Up to 3x indoor light absorption compared to other PV technologies
- ✓ Allows for flexible, light, thin, and translucent modules

APPLICATIONS



**BATTERY DRIVEN,
INDOOR GADGETS**



IOT DEVICES



**SMART HOME
SOLUTIONS**

- ✓ Tuned for indoor light absorption
- ✓ Ideal for mW power consumption
- ✓ Customizable in size and electrical specifications

MANUFACTURING



Designed and prototyped in Canada, mass-produced in Asia



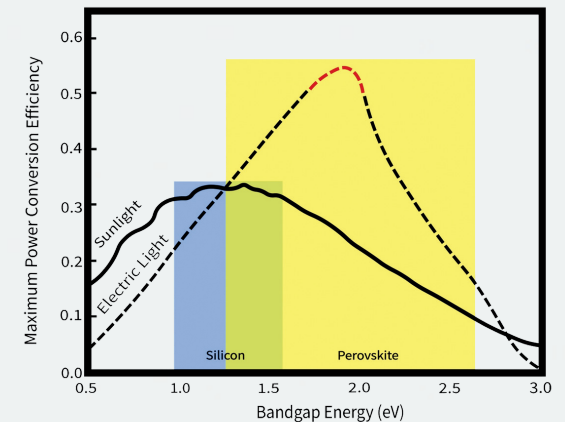
Produced with the highest quality materials, sourced from the most reputable suppliers



WHY PEROVSKITE TECHNOLOGY?

Artificial lights, from LEDs or fluorescent bulbs, have a different light profile than sunlight. Silicon, the gold standard for outdoor photovoltaics, absorbs sunlight very well, but struggles to absorb the high energy light from indoor bulbs. The best light absorber for indoor applications should have a band gap between 1.8 to 2.0 eV, compared to 1.1 to 1.6 eV for silicon.

Perovskites have tunable bandgaps; between 1.2 to 2.6 eV. We can adjust the bandgap with small variations to the chemical composition and as a result optimize perovskites for indoor light absorption.



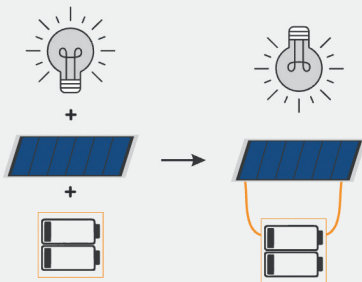
Solaires' PVMODULES are perovskite based photovoltaic modules that convert wasted indoor light to useful electricity. These modules are ideal for powering the next generation of indoor smart homes, consumer electronics, and IoT devices.



HOW DOES IT WORK?

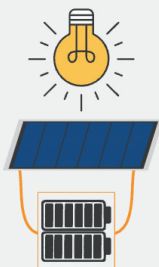
01

We work with device manufacturers to integrate our PVModules into rechargeable battery-powered devices.



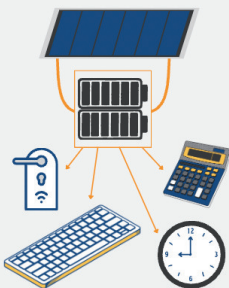
02

When exposed to indoor light, our PVModules recharge batteries, eliminating the need for frequent battery replacement.



03

This technology has a wide range of applications: from low power consumer electronics to IoT devices such as smart home and building integrations.



PHOTOVOLTAIC MODULES FOR A CLEANER WORLD



VS.



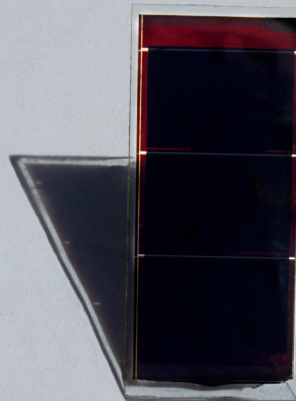
Minimizing the planet's environmental footprint.

OUR PRODUCT

2x The efficiency

10x Thinner

1/2 Price of any other PV module

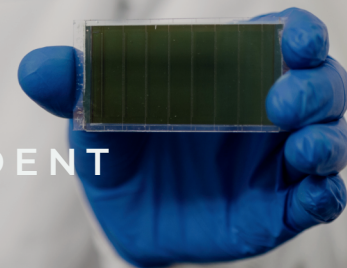


About Solaires™

Solaires Entreprises Inc. is a Canadian **cleantech company** with a goal to enable the future of solar technology.

We are proud to lead the next-generation of **solar power** with our line of photovoltaic modules. Our technology **recycles indoor light** to power battery-driven devices.

ENABLING
ENERGY
INDEPENDENT
DEVICES



GET IN TOUCH



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