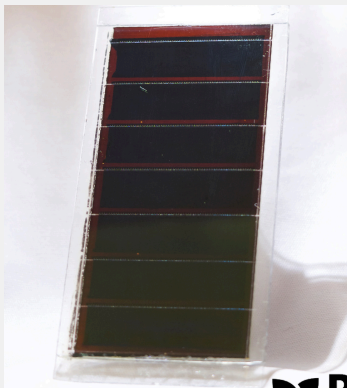


# Solaires PVModules



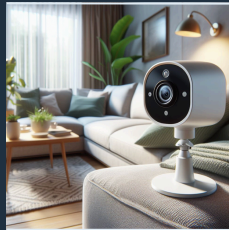
Recycling light to power electronic devices using Solaires' **PEROVSKITE** photovoltaic technology



## BENEFITS

- ✓ Better absorption of indoor light compared to silicon and organic PV
- ✓ Allows for flexible, light, thin, and translucent modules

## APPLICATIONS



**BATTERY DRIVEN,  
INDOOR SMART  
GADGETS**



### IOT DEVICES

Wireless Keyboards  
Wearable Devices  
Smart Door Locks  
And more!



**WIRELESS ENERGY  
TRANSMISSION**

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

## MANUFACTURING



Designed and produced in  
British Columbia, Canada



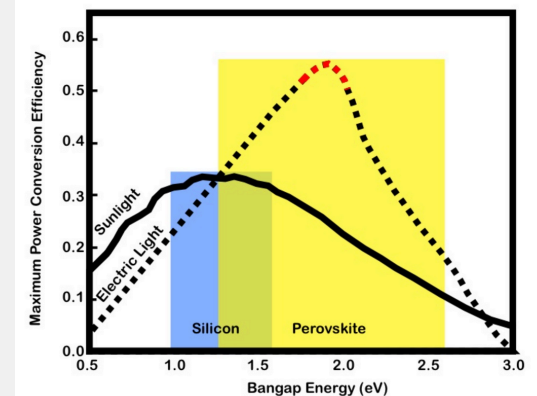
Produced with the highest quality  
materials, sourced from the most  
reputable suppliers



## 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.



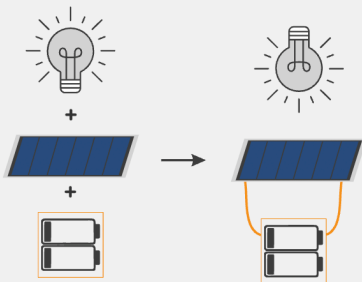
Solaires' PVModules are perovskite based photovoltaic modules that convert wasted indoor light to useful electricity. These modules are ideal for powering the next generation of indoor smart homes, consumer electronics, and IoT devices.



## HOW DOES IT WORK?

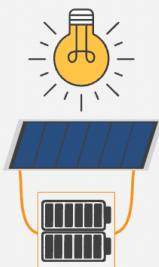
# 01

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



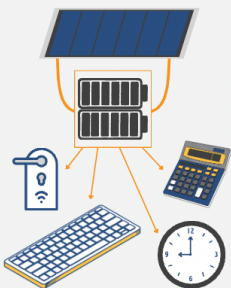
# 02

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

### OUR VISION

To make solar energy more accessible by developing photovoltaic solutions that contribute to minimizing the planet's environmental footprint.

### OUR MISSION

Solaires develops novel and cost-effective technology solutions that address compelling market gaps in solar energy harvesting.

### OUR PRODUCT

**2x** The efficiency

**10x** Thinner

**1/2** Price of any other PV module

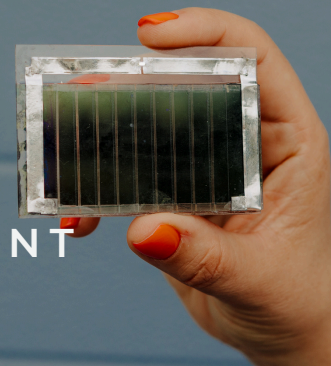


## About Solaires™

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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