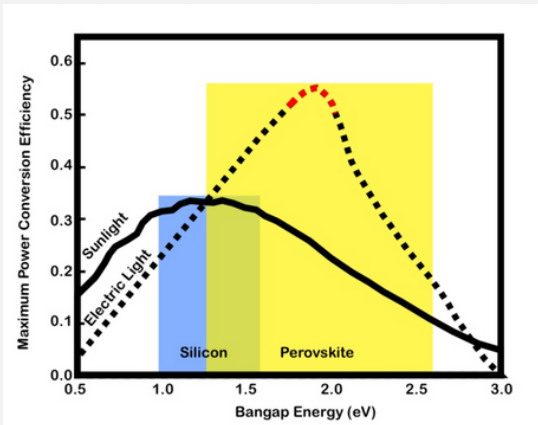




WHY PEROVSKITE TECHNOLOGY?

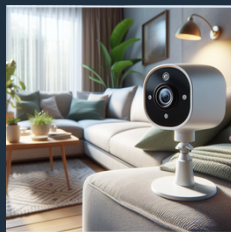
Theoretically, the best absorber materials for indoor applications should have a band gap between 1.8 to 2.0 eV. That's why silicon, with a bandgap of 1.1 to 1.6 eV shows poor performance in indoor lighting.

Perovskite has a tunable bandgap, meaning, we can adjust the bandgap to be between 1.2 to 2.6 eV by a simple solution processed component engineering. As a result we can make perovskite suitable for indoor lighting.



Solaires' PVModules are perovskite based photovoltaic modules that convert wasted indoor light to electricity. These modules are ideal for powering the next generation of indoor smart homes, consumer electronics and IoT devices. Thanks to perovskite, PVModules tuned for indoor light absorption can power applications directly and are customizable in size.

APPLICATIONS

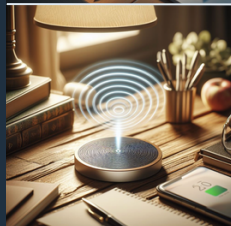


BATTERY DRIVEN INDOOR-OPERATED SMART GADGETS



IOT DEVICES


Wireless Keyboards
Wearable Devices
Smart Door Locks
And more!



WIRELESS ENERGY TRANSMISSION

- ✓ Tuned for indoor light absorption
- ✓ Power up to 1mW applications
- ✓ Customizable: in sizes less than 15cm²

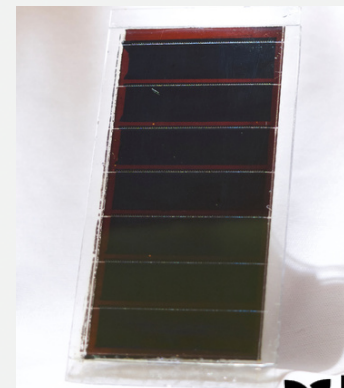
MANUFACTURING

- ✓  Designed and produced in British Columbia, Canada
- ✓ Our PVModules are produced with the highest quality materials and substrates, sourced from the most reputable suppliers



Solaires PVModules

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



BENEFITS

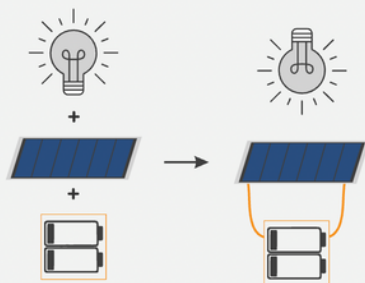
- ✓ Better absorption of indoor light compared to silicon and organic PV
- ✓ Allows for flexible, light, thin, and translucent modules



HOW DOES IT WORK?

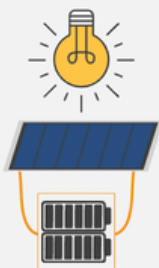
01

Using a battery-powered device, we can integrate our PVModule into the device.



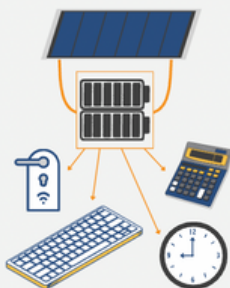
02

Upon exposing the device to indoor light, our PVModule will be able to recharge the battery, eliminating the need for frequent replacement.



03

This technology has a wide range of applications, including door locks, wireless keyboards, wall-hanging clocks, and calculators.

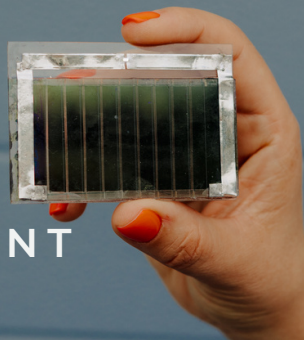


About Solaires™

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



sales@solaires.net



Solaires Entreprises Inc.
144-2770 Leigh Rd
Langford, B.C. Canada V9B 4G2



+1 (888) 464-2532



Visit our Website
www.solaires.net

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.

2x The efficiency

10x Thinner

1/2 Price of any other PV module

