

SHOP  
DESIGN  
INSTALLATION  
MONITORING

**solcan™** was founded in 1975 by Robert Swartman and since then has been a leader in the Canadian solar industry. With a dedication to quality and reliability, we are your best choice from solar electric to solar pool, water, and floor heating! We also manufacture our own solar thermal collectors at our facility in London, Ontario.

**solcan™** was recently passed down to Bob's granddaughter Jessica & her husband Lyle Lemon. We are a family owned and operated business that is proud to contribute to a positive future for our planet and our children.

Our mandate is to provide cost-effective, high quality, and enhanced durability solar solutions in a constantly evolving energy and economic climate. After 40 years of experience harnessing the sun, our business is shining brightly!



f /weharnessthesun  
t @SolCanEnergy  
i @solcansolarsystems

## SOLAR ENERGY SOLUTIONS

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PHOTO SHOWS SOLAR POOL HEATING PANELS ON THE RIGHT AND SOLAR ELECTRIC (PV) PANELS ON THE LEFT OF THE ROOF



## NET-METERED PHOTOVOLTAIC SYSTEMS

SHOP • DESIGN • INSTALLATION • MONITORING





WITH **NET-METERING** WE GIVE YOU THE OPPORTUNITY TO:

- DECENTRALIZE THE GRID
- GENERATE CLEAN ELECTRICITY
- BECOME ENERGY INDEPENDENT
- SAVE MONEY ON ENERGY
- INVEST IN A SUSTAINABLE FUTURE

We live in a changing world, so why not be ahead of the curve?

Net-metering systems offer a renewable alternative to traditional energy production. The solar power generated by the panels provides direct electricity to your property, and any excess energy is fed into the grid (or can be stored with the addition of a battery system).

Excess energy fed into the grid is priced according to your local utility and appears as a credit on your electricity bill, leaving you with **solar savings!**

## What is photovoltaic technology?

### AN OVERVIEW OF SOLAR ELECTRIC AND WHY YOU SHOULD CARE

Renewable energy technologies are an increasing part of worldwide dialogue, acting as a huge indicator of the goals and challenges the future holds.

Of the various renewable technologies, the most widely adopted has been **solar electric**, also known as **solar photovoltaic energy** or **PV technology**. This refers to the process that occurs within a solar cell when being exposed to sunlight.

The last few years have seen a massive decrease in cost and a correlated increase in installations for solar electric systems; however, the technology has been around for longer than you may think. The 1960s sparked energy innovations that have carried through to today, but the photovoltaic effect was actually first observed in 1829!

## the profits of solar energy



### THE ENERGY AND ENVIRONMENTAL REVOLUTIONS

#### HOW TODAY'S INVESTMENT WILL BENEFIT TOMORROW

How much do you currently pay for hydro? In 2014 Ontario closed its last coal plant in an effort to combat greenhouse gas emissions (GHGs), and our province saw a rise in electricity prices.

**solcan™** offers you a chance to take control of your own energy costs by going solar! Net-metering systems offer a renewable alternative to traditional energy production. The solar power generated by the panels provides direct electricity to your property, and any excess energy is fed into the grid. That excess clean energy is priced according to your local utility and appears as a credit on your hydro bill, leaving you with **solar savings!**

The signing of the Paris Climate Accord has inspired countries to take action to reduce our dependency on fossil fuels and steer ourselves towards a sustainable economy. Take the wheel by harnessing the sun with **solcan™**!

## design SOLUTIONS

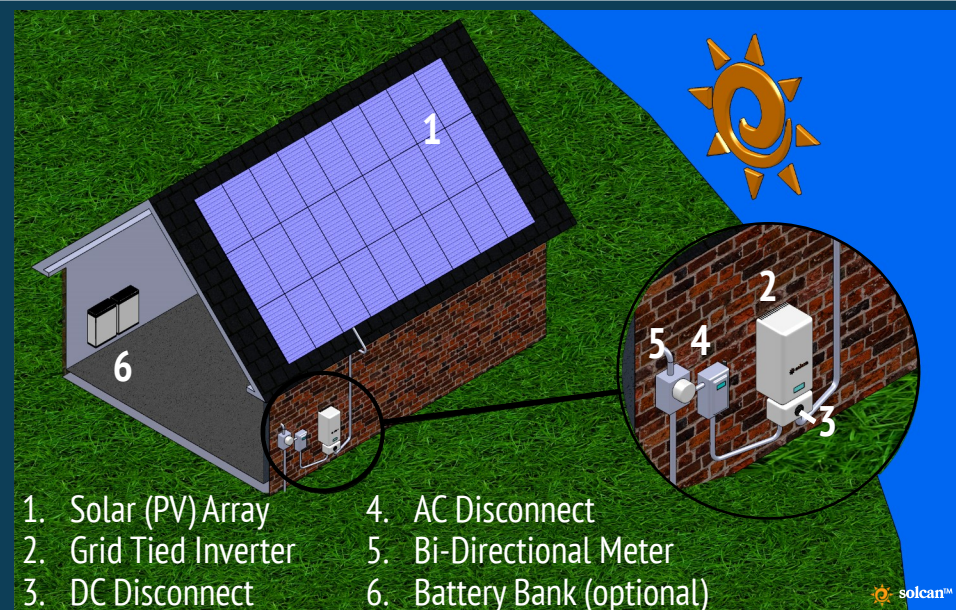
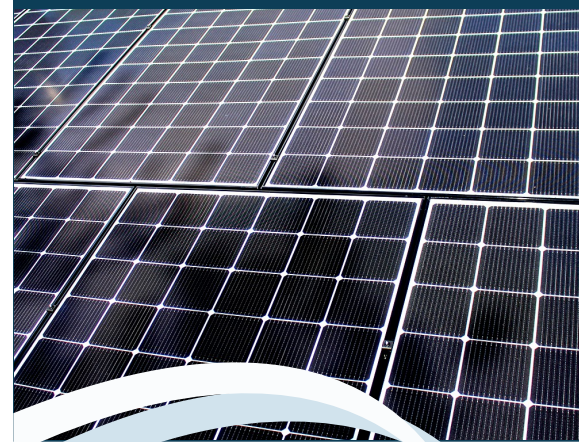
**solcan™** offers free assessments for anyone curious about a solar system on their property. Once we get the green light, our team then engineers a system based on your energy needs and consumption, and matches it to your structure's aesthetic.

## installation SOLUTIONS

**solcan™** has a crew ready to work for you! Whether you designed and purchased your system from us, or simply need us to do the leg work, we have dedicated installers ready to help you harness the sun.

## monitoring SOLUTIONS

**solcan™** systems are equipped with high quality 24-hour monitoring software that allows us to track the productivity of our modules. This helps us ensure your system is always running smoothly and at its highest capacity.



## HOW A GRID-TIED SYSTEM FUNCTIONS

Each **panel** or "**module**" is made up of **solar cells** that are wired together in series. The solar cells undergo a **photovoltaic process** to create energy for electrical use. Multiple panels wired together form an **array**, which together with other elements forms **the system**.

The solar panels generate **DC energy** which **the inverter** then converts to **240VAC** before it can be used to **power your home or business**, and excess energy can be **exported into the electrical grid**.

## SO YOU WANT A SOLAR SYSTEM! WHAT NOW?

We find a lot of our potential customers are intimidated by the process of purchasing a solar system, but **solcan™** is here to eliminate your fear! Here are some handy things to know:

- Options for battery storage are available with solar PV
- A standard 10 kW system would cost approximately \$26,000 and generate an estimated 12500 kWh of energy annually\*
  - Energy savings (yearly) = \$1500\*
  - Return on investment = 13 years\*
- NET-metering systems offer businesses a chance to reduce their monthly energy expenses and generate additional revenue
- You can contact us about inquiries large or small!

\*many properties' needs are covered by systems <10kW, values are approximate