


# **A WISE INVESTMENT IN A RELIABLE SYSTEM FOR YOUR HOME**

**THAT'S THE CANADIAN SOLAR DIFFERENCE**





**THE MORE ELECTRICITY  
COSTS, THE MORE YOU  
NEED SOLAR POWER**

You only have to look at your latest electricity bill to see that energy costs are getting out of control. An immediate way to start saving money is to go solar. That goes without saying. But which brand to choose? We've put together this brief guide, along with our website, to help you make the right choice.

Solar panels were first placed on U.S. homes and buildings in the seventies. Over the following decades millions of panels were installed, with payback periods continuing to become shorter and shorter while immediate savings are seen in lower energy bills.

**CANADIAN SOLAR HAS A WIDE RANGE OF SOLAR PANELS, DEVELOPED WITH INDUSTRY LEADING TECHNOLOGY TO PROVIDE A SUPERIOR SOLUTION FOR YOUR SOLAR NEEDS**

- **HIGH EFFICIENCY**
- **ALL BLACK**
- **DUAL CELL**
- **HIGH DENSITY**
- **MONO AND POLY PERC**
- **BIFACIAL**

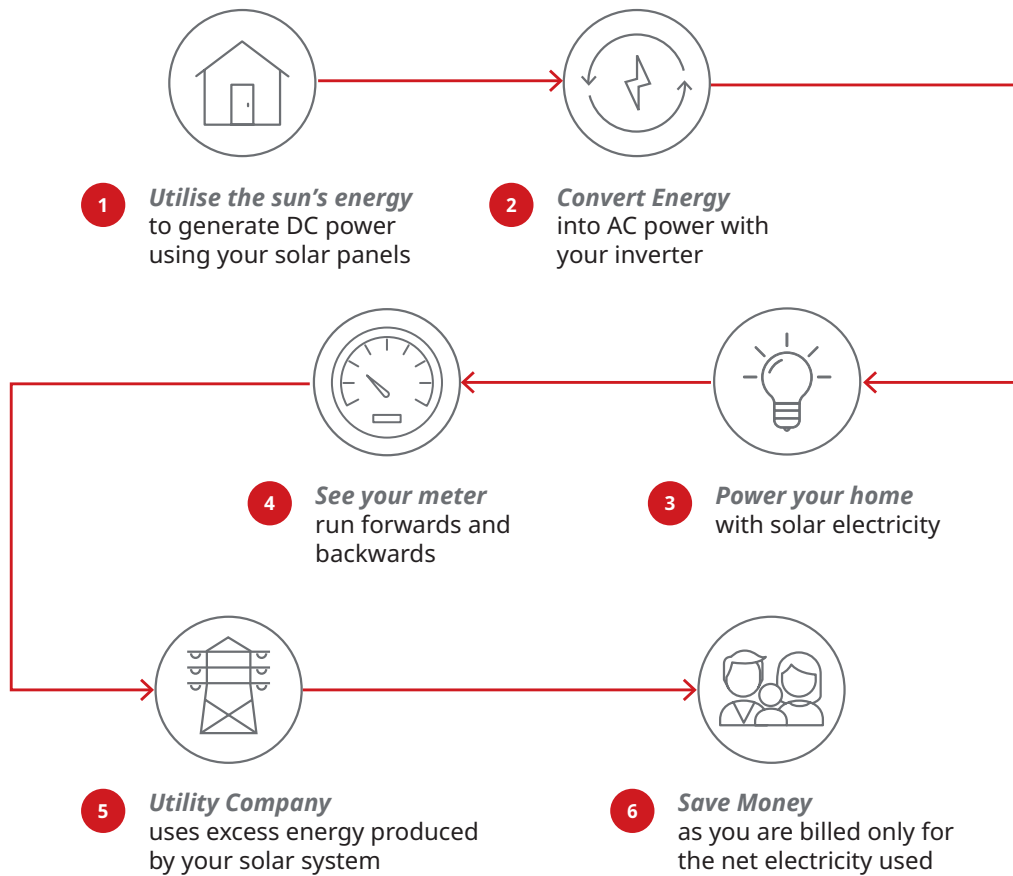
# HOW SOLAR POWER WORKS

Sunshine hits the photovoltaic solar panels (also known as solar modules) on your roof; these generate direct current (DC) electricity. An inverter converts this into alternating current (AC) needed to provide power for lighting and appliances in your home. This ensures your solar power is used first and topped up by electricity from the grid, offering an immediate saving.

Any time you use less energy than your solar system generates, the unused portion is sent back to the grid and your electric meter runs backwards crediting you for the energy generated; this is known as Net Metering.



## UNDERSTAND SOLAR AND COLLECT THE SAVINGS



A quality solar system is a meaningful addition to your home, and can add greatly to its value and appeal, meaning more money for you when you sell.

Solar power is safe, easy to use, convenient, flexible and economical, being powered purely by the endless rays of the sun.

It puts no pollutants into the air, ground, waterways or oceans. Nor does it produce greenhouse gases or use increasingly limited resources like coal, gas or oil and involves none of the hazards/disposal problems seen with nuclear generation.

There is also an additional benefit of your home's inside temperature being reduced because the solar panels intercept sunlight that would otherwise hit your roof.

# WHY CANADIAN SOLAR IS YOUR NUMBER ONE CHOICE IN SOLAR POWER

CEO and Founder Dr Shawn Qu founded Canadian Solar in Canada in 2001, with a bold vision to foster sustainable development and to make lives better by bringing electricity powered by the sun to millions of people worldwide. Since then, Canadian Solar has grown to become one of the largest solar system solutions providers and project developers in the world. The strong growth and success of Canadian Solar is testament to our ability to meet a wide variety of solar needs through our expertise and high quality product offerings.

## HIGHLY EFFICIENT SOLAR PANELS

Maximising the power your rooftop can generate

All Canadian Solar panels are noted for high efficiency (between 16.55% and 23.7% in various models). This can be useful when roof space is limited. All are certified as corrosion resistant and different module types are suitable for installation anywhere, including extreme sunny, windy or snowy climates.

## COMMITMENT TO RESEARCH AND DEVELOPMENT

Your solar installation will be at the forefront of industry technology

- Three state-of-the-art PV research centers in Canada and China
- More than 250 scientists, engineers and technicians in R&D department
- Over 1000 global patents world wide
- R&D investments of over US\$600 million

## WINNING THIRD PARTY AWARDS

No.1 silicon module solar plant developer by Greentech Media Research

Leading company in PV Triathlon of PHOTON

The Best PV Module Manufacturer Award in Brazil by SmartEnergy

Best Structured Project Bond Award by Environmental Finance and J. Money



Tier 1 Solar Company by Bloomberg New Energy Finance (BNEF)



No.1 Renewable Energy Leader of Thomson Reuters



The ELPS module is nominated for the Intersolar Award 2012 in photovoltaics category.



## 411 QUALITY TESTING POINTS

We've adapted the stringent quality-management systems of the automotive industry to PV manufacturing and check every one of our products at 411 different points along the manufacturing process to ensure their quality.

We conduct rigorous in-house testing in our own laboratories to ensure durability and regularly submit our products to the world's leading independent testing institutes, including the Fraunhofer Society and TÜV Labs.

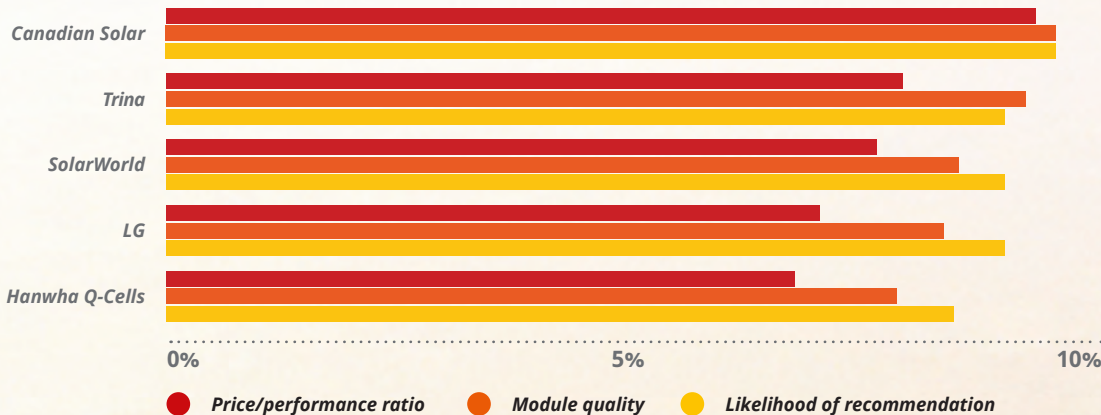
### QUALITY CONTROL MEETS HIGHEST INTERNATIONAL STANDARDS

- > Providing you with a high quality solar system you can trust
- > Compliance with ISO IEC 17024 procedures to approve all materials and components entering our facilities
- > Confirmation through IEC 61215 and IEC 61730 tests to ensure product safety and reliability
- > Adaption of the stringent quality-management system of the automotive industry to PV manufacturing
- > Compliance with international quality and environmental management standards ISO 9001, QC080000, ISO 14001 and OHSAS 18001

## VOTED #1 MODULE SUPPLIER

Our high quality products have gained the trust and support of customers internationally

Canadian Solar was voted #1 solar PV module brand for quality and price/performance ratio by independent IHS Markit Survey in 2016, and was also awarded highest likelihood of customer recommendation.



IHS Markit

Source: IHS PV Module Customer Insight Survey 2016

## STRONG WARRANTY

As a top 3 world rated solar company with a minimum 25 year performance warranty on our solar panels we'll be around for the lifetime of your home solar system.



**LINEAR POWER  
OUTPUT WARRANTY**



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