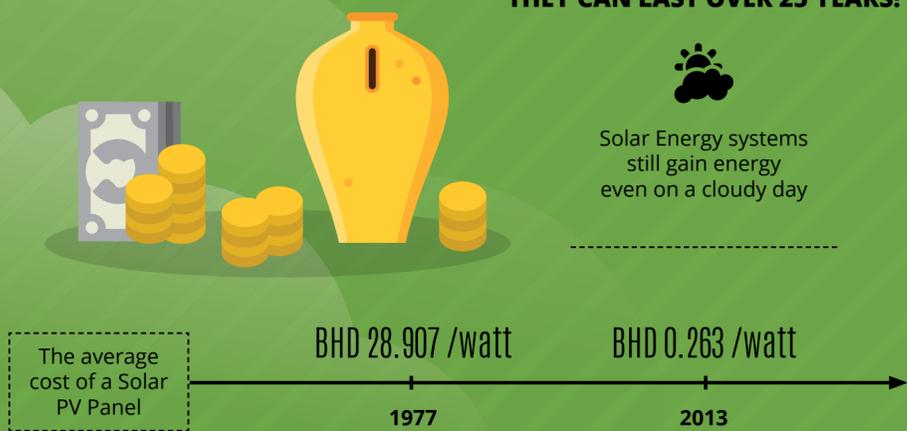


1. Why solar power

Cost Effective

Solar panels are durable. There are no moving parts to keep servicing and they are low maintenance. With proper installation and minimal upkeep needed, **THEY CAN LAST OVER 25 YEARS!**

 Solar Energy systems still gain energy even on a cloudy day



Solar Panels are now about 100 times cheaper than they were 35 years ago

Reduce Emissions, Save The Planet

 Solar Power generates Renewable Energy from a natural resource

 We harness the Sun's power without hurting the earth

 No emissions are created from the electricity production of panels

 This reduces your carbon footprint and is non-pollutive

How to size your system

1 

We just ask for how much free space is available (sq. meters) and divide that by 1.61 (area of a solar panel). This gives us an estimate of the maximum amount of panels we can fit on the roof.

2 

We then need to visit the site itself and look for obstacles like AC compressors, satellite dishes and other objects that cause shade, and we adjust the number of panels accordingly.

3 

Next step is to go over the energy consumption by reading their electricity bill or checking the meter in the building. We use these readings as reference to show how much they can save per month by installing a given size solar system.

Number of Panels	System size (Watts)	Panels total price (approx.; BHD)	Energy Generated per month (avg; kWh)	Dinar Value of Energy per month	Savings per year (BHD)
8	2,000	480	289	8	101
16	4,000	960	578	17	201
20	5,000	1,200	722	21	251
25	6,250	1,500	903	26	314
50	12,500	3,000	1,807	52	629
100	25,000	6,000	3,614	105	1,258

*Prices based on rates of 29 fils/unit. This is the rate that businesses and non-Bahrainis pay. Bahraini households are still subsidised.

2. We are Solar One

PUTTING POWER BACK INTO THE HANDS OF THE PEOPLE

We are local. We are a Bahraini borne, Bahraini run company. We hold our facility and machinery to international standards.



OUR FACILITY'S MANUFACTURING INITIAL CAPACITY IS 60,000 PANELS PER YEAR

This equals 15 megawatts of power. We are excited to begin putting power back into the hands of the people.

Our mission is to produce high quality Solar PV Panels in Bahrain using state of the art technology. To provide clean, free energy for everyone. Our vision is to lead the way in the Renewable Energy industry in Bahrain, and help steer the country towards meeting and exceeding its climate goals. We will use Solar Energy to power local homes and businesses while helping the planet.

3. What sets our panels apart

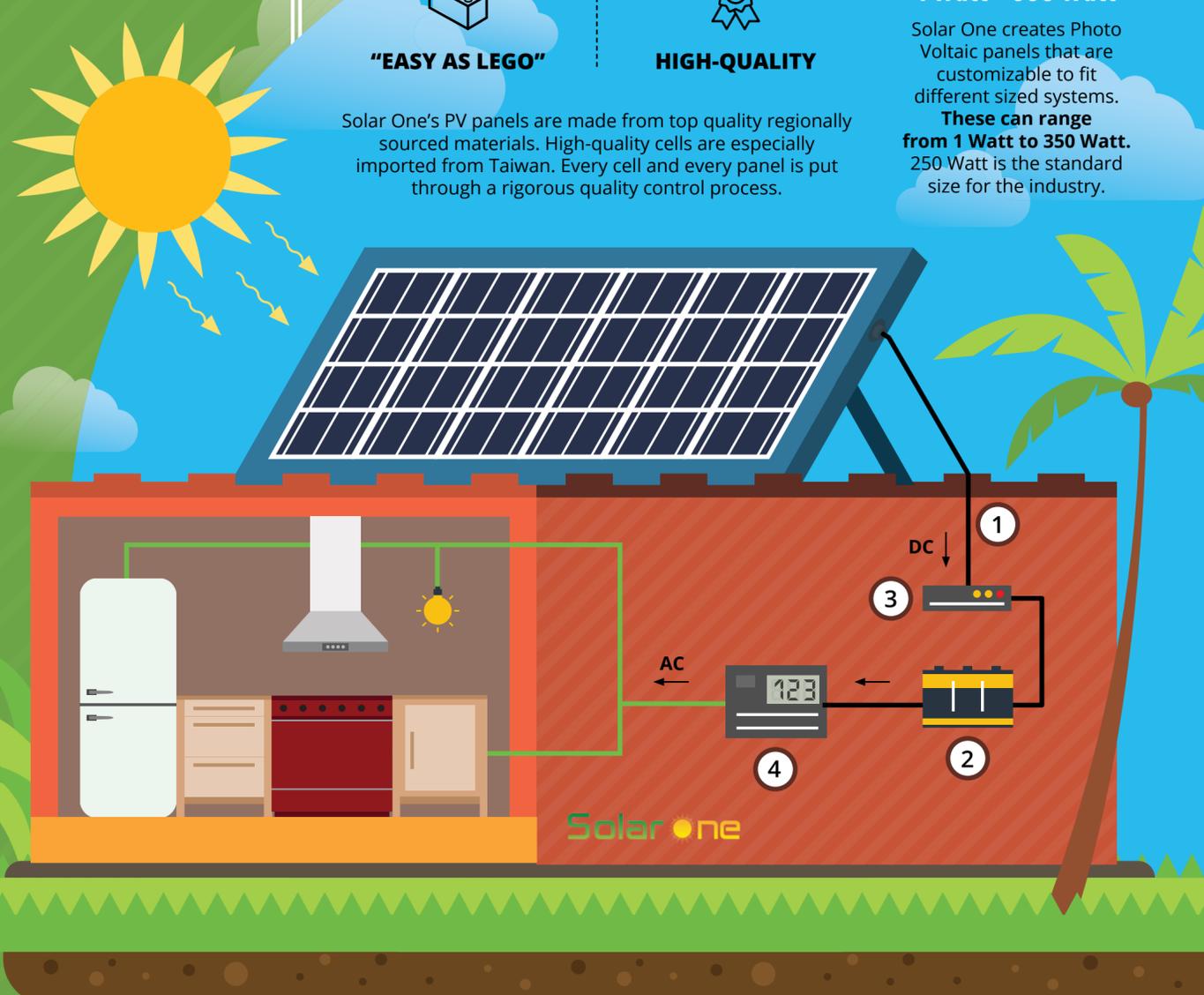
 "EASY AS LEGO"

 HIGH-QUALITY

Solar One's PV panels are made from top quality regionally sourced materials. High-quality cells are especially imported from Taiwan. Every cell and every panel is put through a rigorous quality control process.

1 Watt - 350 Watt

Solar One creates Photo Voltaic panels that are customizable to fit different sized systems. **These can range from 1 Watt to 350 Watt.** 250 Watt is the standard size for the industry.



4. How do they work?

 Converting the sun's energy to electricity is a simple process. A circuit connected to the panels are able to generate a current out of solar energy for use as electricity (look at the scheme above).

- 1** The energy being generated from your solar panels is known as Direct Current (DC).
- 2** Batteries store the power collected by the panels.
- 3** The charge controller is the brain of your system. This controls how much your batteries can charge.
- 4** Finally, the inverter converts your energy to voltage that is suitable to use in your home. These can convert 12, 24 or 48 Direct Current (DC) battery voltage into a 120V AC. This can operate larger household appliances such as your electric stove, fridge and TV.

The transition is easy. You can buy a smaller system and then build on it as you move away from non-renewable energy to a solar powered home.