Solar Electric

IRELAND'S LEADING SOLAR PV COMPANY

Brighter
Energy
Solutions

WHY CHOOSE PV FROM SOLAR ELECTRIC?

Our employed team of qualified electricians, roofers and system designers meet the high standards set by SEAI. We are registered with SEAI No:10058

EXPERIENCE
We have installed more than 5 megawatts of Solar PV in the Republic of Ireland - that's more than 20,000 panels. Projects range from 2 kWp homes to 350 kWp - 1,238 panels on a Defence Forces aircraft hangar site. Whatever your building type we have an installation solution.

PRODUCTS
We have carefully selected products from well-known Asian and European manufacturers that suit Irish conditions and comply with ESB Networks regulations. The products are combined using software that takes into account your location and building type in order to create an ideal solution for your home.

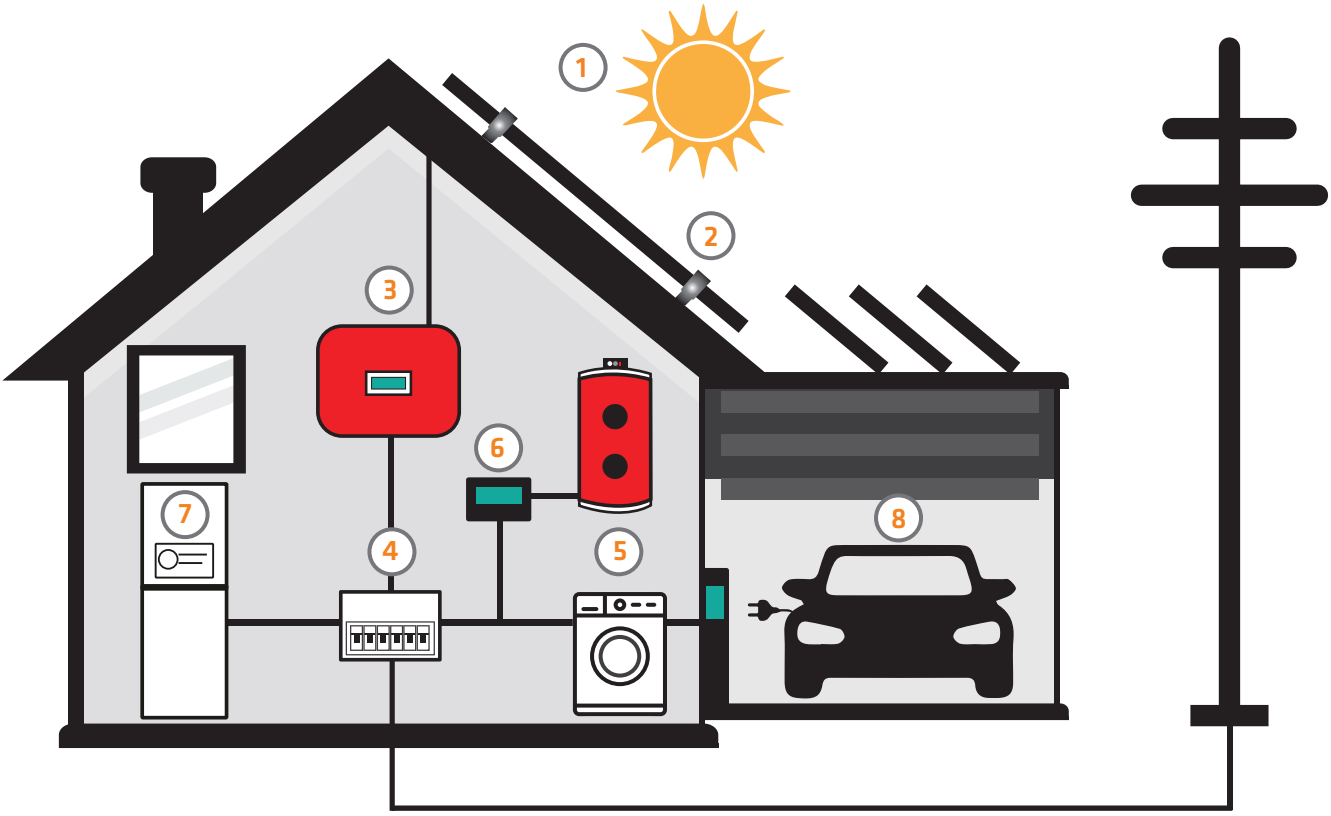
SERVICE
We hold stock of solar modules, mounting systems and inverters. While installation is normally within 4 weeks of order, we are often able to meet shorter deadlines.

VALUE FOR MONEY
We import directly from Germany in bulk to our cost-effective facility in Wexford. Our prices have dropped by more than 30% over 4 years. We keep our costs to the minimum and pass the economies of scale on to you, the customer.

SOLAR PIONEERS
Purchasing from Solar Electric allows you to join the growing band of Solar Pioneers. We share information and give access to new product releases and events.

EXTRAS
In addition to the PV system and battery storage options we can provide monitoring systems to display your production and a diversion system to send surplus power to the hot water tank. We also install electric vehicle charging stations.

WHAT IS SOLAR PV AND HOW DOES IT WORK?



1. LIGHT
The sun gives off light, even on cloudy days.

2. SOLAR PV PANELS
PV cells on the panels turn the light into DC electricity.

3. THE INVERTER
The current flows into an inverter, which converts it to AC electricity ready for use.

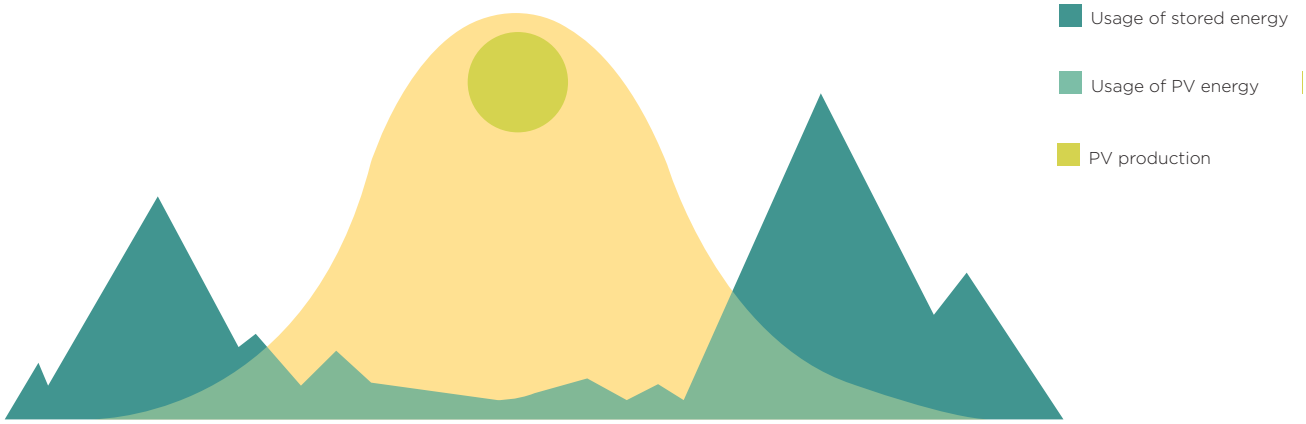
4. THE ELECTRICITY
The current is fed into your home's consumer unit.

5. POWERING THE HOME
Plug in and switch on. Your home will automatically use the free electricity generated, then switch back to the grid as needed.

6. THE DIVERTER UNIT
Surplus electricity is automatically diverted to your hot water tank.

7. SOLAR STORAGE (OPTIONAL)
When required we provide a state of the art power storage unit that enables you to store solar power for use when you need it.

8. ELECTRIC CAR CHARGING PORT
You can charge your electric car with the addition of a car charging port powered by your PV Panels.



The new SEAI grant of up to €3,000 is available for homes built before 2011.

seai SUSTAINABLE ENERGY AUTHORITY OF IRELAND

Invest in a system that cuts your electricity costs and pays for itself in a few years. Enjoy free electricity for the remaining lifetime of the system.

FINANCE

An investment in Solar PV outperforms bank rates and avoids tax on savings. The SEAI grant for Solar PV and battery storage is available for homes built and occupied before 2011. An improved BER rating will add to the value of your home.

PROVEN IN IRELAND

We have more than 150 satisfied customers across Ireland. The installation of Solar PV is now a part of Government Strategy and is being rolled out across public buildings nationwide. The technology is recognised to be effective and have very low maintenance costs which is why it is being installed in all new schools.

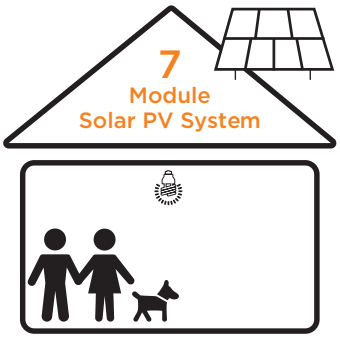
SYSTEM DESIGN

The key to designing the optimum Solar PV system is to maximise solar independence. A well designed system may allow just a little spill to the grid on particularly high production days in the peak months of May and June.

LIVING WITH SOLAR PV

Our existing Solar Pioneers typically modify their behaviour a little to maximise the effectiveness of their Solar PV system. For instance they may run the washing machine in the day time followed by the dishwasher using a delay function.

WHICH SOLAR PV SYSTEM IS GOOD FOR YOU?



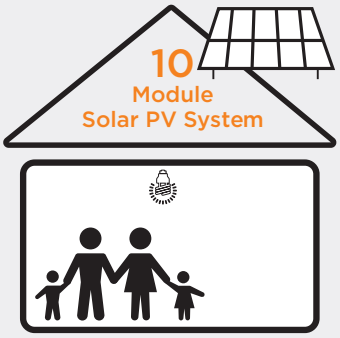
SYSTEM FEATURES

7 x 370W Black Frame System
2.5kW Inverter
Monitoring kit
Immersion Diverter Kit
All installation elements
(incl. labour)

WHAT IS PRODUCED?

Solar PV 2.6kWp system
2360kWp typical annual production

GRANT AVAILABLE €1,800



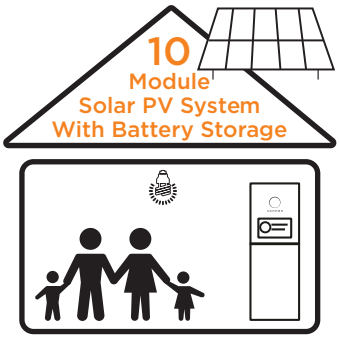
System Features

10 x 370W Black Frame System
3.6kW Inverter
Monitoring kit
Immersion Diverter Kit
All installation elements
(incl. labour)

What is produced?

Solar PV 3.7kWp system
3375kWp typical annual production

GRANT AVAILABLE €1,800



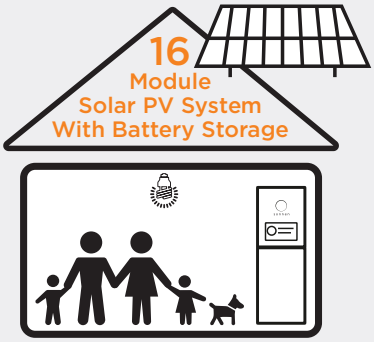
System Features

10 x 370W Black Frame System
5kWh Hybrid storage system
Monitoring system
All installation elements
(incl. labour)

What is produced?

Solar PV 3.7kWp system
3375kWp typical annual production

GRANT AVAILABLE €2,910



System Features

16 x 370W Black Frame System
7.5kW Hybrid storage system
Monitoring system
All installation elements
(incl. labour)

What is produced?

Solar PV 6kWp system
5400kWp typical annual production

GRANT AVAILABLE €3,000

SOLAR ELECTRIC CASE STUDIES

LOCATION: Cloyne, East Cork
TYPE: Recently built detached house with increasing domestic electricity usage
SYSTEM SIZE: 16 panels ground mount 4.24 kWp
INSTALLATION: November 2017

After an extensive consultation process, Conor decided upon installing a 16 panel ground PV system to act as an independent power source for this recently built 'grand designs' low energy house. With an air to water heat pump & underfloor heating onsite this consumer wanted something to offset these substantial loads in the home.

Over a year later and Conor is seeing a significant reduction in his electricity bills, and with real time monitoring at hand he can check his production values at any time.

Designed in a bespoke manner, the Solar Electric team installed the 16 panels on the ground at the rear of Conor's home to avail of optimum south facing production values.

LOCATION: Celbridge, Co. Kildare
TYPE: Semi Detached house with increasing domestic electricity usage
PV SIZE: 12 panels 3.24kWp
BATTERY SIZE: Sonnen 5kWh ECO 9.43
INSTALLATION: May 2018

In early 2018 Eoin sent an enquiry to Solar Electric about his interest in becoming more energy independent & self-sufficient. He wanted to reduce his electricity bills significantly while also being 'conscious of his carbon footprint'. With a busy household & consistent usage throughout the daytime & evening time Eoin felt he needed a more constant & reliable power supply. Sonnen's battery system in conjunction with a 12 panel 3.24kWp PV system was the perfect solution for him. A 5kWh battery system was the ideal match for his PV system size & his annual usage patterns, and after a consultation & technical survey Eoin decided to place his order. Within 4 weeks Eoin was fully commissioned & already making a significant dent into his electricity bill.

Designed in a bespoke manner, the Solar Electric team installed the 12 panels on the rear roof of Eoin's semi-detached home & with day to day monitoring of his battery system Eoin can see his consumption & production values at ease with the touch of a button too.

LOCATION: Thomastown, Co. Kilkenny
TYPE: Detached House
SYSTEM SIZE: 12 module 3.5Kwp
INSTALLATION: October 2018

Michael is looking forward to getting plenty of solar electricity from his array, neatly fitted around the Velux windows to the rear of his home close by Mount Juliet Golf Course.

The system is combined with a SMA inverter and Immersun diverter which sends any surplus electricity generated to the two hot water tanks in Michael'sproperty.

The My Immersun app. which gives real-time information about the system output and savings made, adds to the fun for Michael who is a bit of an eco-warrior with a hybrid car and electric bike.

SOLAR ELECTRIC CLIENT TESTIMONIALS

CLIENT: Mr. Noel Wilson
LOCATION: Swords, Fingal, Dublin
TYPE: Apartment (small usuage)
SYSTEM SIZE: 1.5kWp
BATTERY SIZE: sonnen 2.5kWh with protect 1300 back up

"We were always conscious of saving energy and reducing our bills, so when the domestic PV grant came online we chose Solar Electric for the Sonnen System.

Our installation was completed over two days; the PV panels on the first day and the Sonnen Battery on the second. A very neat job on both days, everything worked and the system looks great.

We just use home electricity as normal, we hardly know the system is there. The PV panels collect energy during the day and store anything not used directly into the Sun Battery in our utility room. The home runs off the sonnen battery during the evening and night. Any excess is sent to the grid.

We can monitor everything online and we're saving up to 50% even in wintertime. I'd definitely recommend getting PV for just about any suitable suburban home. It works well and makes sense for both your pocket and the environment. Go for it!"

"The quality of materials selected, the staff and the technical support offered throughout the project exceeded all expectations."

Another successful installation by Solar Electric

CLIENT: The Lennon Family
LOCATION: Drogheda, Louth
TYPE: Detached House
SYSTEM SIZE: 3kWp with hot water diverter

"Solar Electric installed the PV System in my home. The company's approach from quoting the job right up to the commissioning stage was fantastic, very helpful and friendly staff, great workmanship and everything is neat and tidy. The system is connected to my hot water immersion so when the house is not using the power from the P.V. The electricity is diverted to heat our water. I couldn't be happier with the system. Truly a worth while investment. Thanks Solar Electric!"

Join the Solar Revolution by contacting us today!

Solar Electric
IRELAND'S LEADING SOLAR PV COMPANY

Call our dedicated sales & enquiries team on

053 925 6804

info@solarelectric.ie
www.solarelectric.ie
+353 (0)53 925 6804

@solarelectric.ie
@solarelectric_
linkedin.com/company/solar-electric-ireland

Killanne, Rathnure, Enniscorthy,
Co. Wexford, Ireland, Y21 W523

MEMBER OF:

ISEA Irish Solar Energy Association

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