

GENERATE FREE ELECTRICITY FROM SOLAR PV PANELS



ENERGLAZE
HOME ENERGY UPGRADES

FUSIONHOME

SUN2000L SMART ENERGY CENTRE



Huawei uses cutting-edge Solar PV technology. The Huawei Fusion Solar Smart PV Solution is not only energy efficient but simple and easy to use with a plug and play battery interface which means you can add a battery at any time in the future. No need to purchase an additional battery connection device or conduct a system retrofit.

Our Huawei inverters, from 2kw to 5kw, are matched with our all black Peimar panels and the system includes an iBoost immersion heater as standard.

Huawei innovates and optimises throughout the entire lifecycle of PV energy generation, helping you achieve a greater return on investment.



Higher Yields

- High Efficiency Inverter Topology
- Max. Efficiency 98.6%
- Monitor Via FusionSolar App



Simple & Easy

- Compact Size, Simple 1 Person Install
- Optimised AC Connector, Quick Wiring
- One-click Inverter Configuration



Safe & Reliable

- IP65, Natural Cooling
- Integrated Lightning Protection
- 10 Year Warranty (Option To Increase)



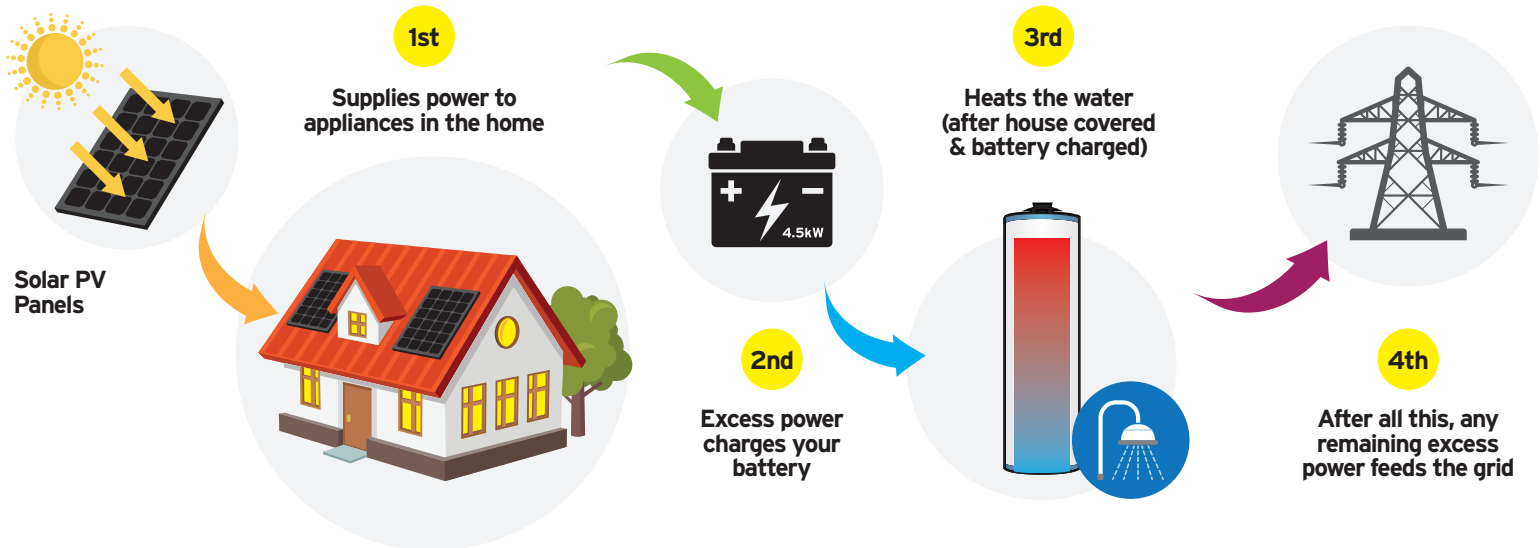
Battery Ready

- Integrated Plug & Play Energy Storage Interface



reddot award 2016
winner

SOLAR PV TYPICAL ENERGY FLOW



HOME APPLIANCES

TYPICAL ONE HOUR ENERGY USAGE/COST

ELECTRIC SHOWER 8,500W €1.70 per hour	TUMBLE DRYER 5,000W €1.00 per hour	ELECTRIC OVEN 2,500W 50c per hour	HAIR DRYER 1,500W 30c per hour
ELECTRIC KETTLE 3,000W 60c per hour	IMMERSION HEATER 3,000W 60c per hour	FAN HEATER/ OIL BASED ELECTRIC HEATER 2,500W 50c per hour	VACUUM CLEANER 1,400W 28c per hour
CLOTHES IRON 1,000W 20c per hour	MICROWAVE 850W 17c per hour	WASHING MACHINE 650W 13c per hour	TELEVISION (36") 200W 6c per hour
REFRIGERATOR 180W 3.6c per hour	LAPTOP COMPUTER 60W 1.2c per hour	LIGHT BULB 60W 1.2c per hour LED Equivalent 0.1c per hour	PORTABLE RADIO 5W 0.1c per hour
		DISHWASHER 1,800W 36c per hour	TOASTER 1,200W 24c per hour

TOP TIP:

All appliances must now be labeled according to their energy efficiency. New A-rated appliances use 30-55% less energy than a similar D-rated one.

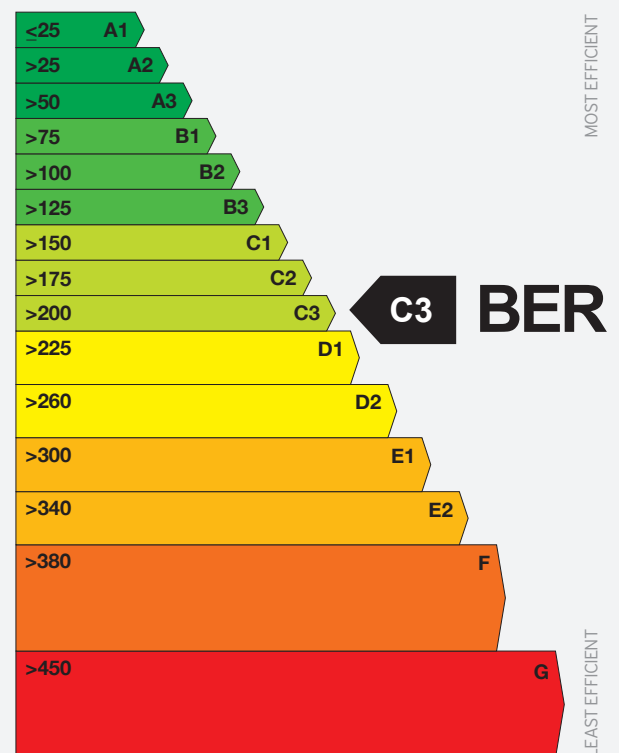


HOW TO REACH A C3 WITH SOLAR PV

General Guidelines for ensuring that a house will achieve a minimum C3 Building Energy Rating (BER) once a solar system is installed.

There are no guarantees without carrying out a pre BER, however, in the majority of cases if the house has the following it should easily achieve a C3 rating:

1. House built from 1980 onwards
2. Built using bricks and mortar
3. Has good windows & doors
4. Has a modern boiler 86%+ efficiency
5. 200-300mm of attic insulation
6. Cavity wall insulation



Additional upgrades will enhance the BER energy rating further

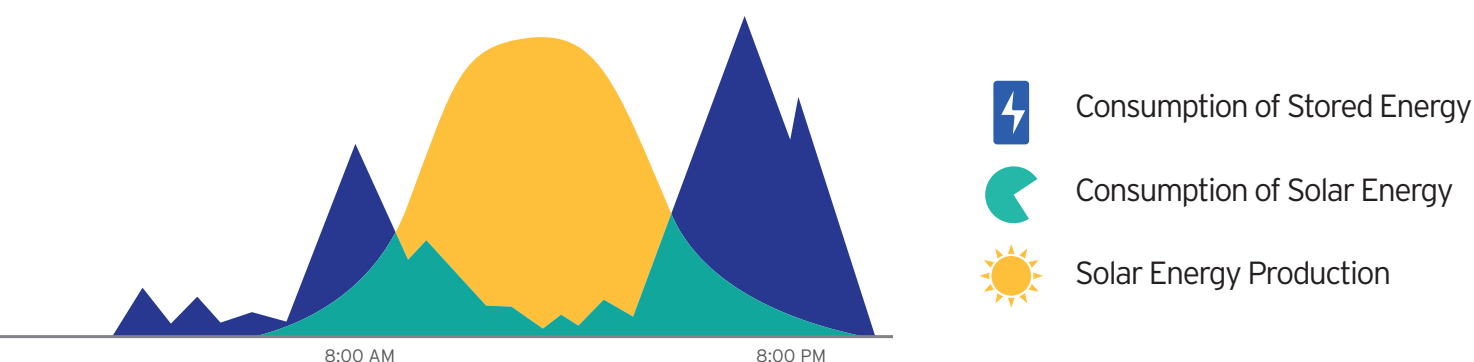
Average Electricity Generated From Solar PV

Number of Panels	Nominal Output (Pmax)	Average kWh Per Day	Average kWh Per Annum
6 Panels	1860w	4.5	1645
8 Panels	2480w	5.9	2165
10 Panels	3100w	7.6	2685
12 Panels	3720w	8.8	3205
14 Panels	4340w	10.2	3725
16 Panels	4960w	11.9	4330
18 Panels	5580w	13.3	4850
20 Panels	6200w	14.7	5370

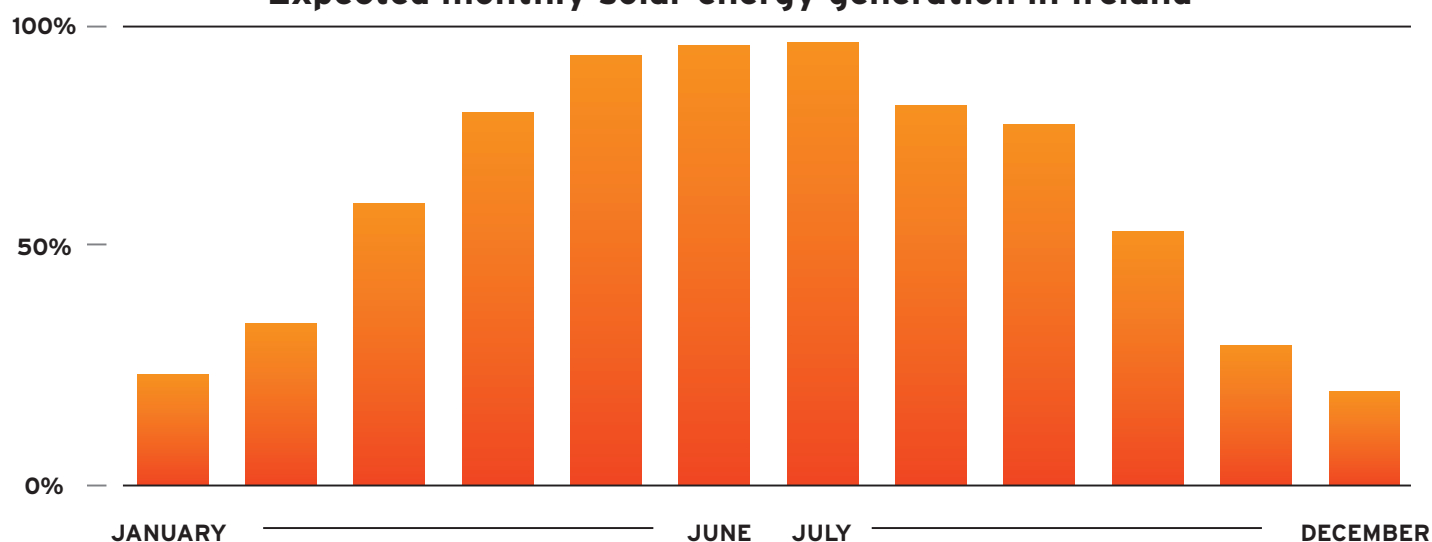
Based on a home solar PV system sized at 20 sq. m (~3kW) and well located would generate around 2,600kWh of electricity per annum. That is over 40% of the average annual electricity demand of an Irish home.

Note: All output figures (kwh) sourced from SEAI

Typical day with a solar battery system



Expected monthly solar energy generation in Ireland



Note: A PV Sol will be provided for your specific system.

WHAT IS SOLAR PV?

Solar panels that produce electricity are known as solar photovoltaic (PV) modules. These panels generate DC electricity when exposed to light.

HOW SOLAR PV WORKS

The DC power generated by your panels goes directly to your inverter/hybrid inverter where the DC (Direct Current) power is converted into AC (Alternating Current) power.

The AC power is then used to power your electrical appliances in the home.



The System Includes:

- Solar panels
- Hybrid inverter
- Immersion diverter
- Wifi operation & monitoring via app
- Additional option of battery storage



PEIMAR

SOLAR PV PANELS

All black Italian solar panels which offer 325w output per panel and have significant quality accreditations.

- 20-year warranty
- 30-year performance warranty



Ground-mounted installation also available.

IBOOST WATER HEATING MODULE

An iBoost diverts surplus power from your solar system to heat your water rather than exporting it to the grid.



EVBOX CAR CHARGING MODULE (OPTIONAL EXTRA)

EVBox is an Electric Vehicle charge point that has an array of features & flexibility.



Note: To qualify for the SEAI Solar PV Grant a house must achieve a minimum C3 BER rating after the installation.

For a free quote, call Energlaize on 01 901 1635 or visit www.energlaize.ie

