

NEW  
0% VAT RATE



# OFFSET RISING ENERGY COSTS BY GENERATING YOUR OWN RENEWABLE ELECTRICITY



**ENERGLAZE**  
HOME ENERGY UPGRADES

# NEW HUAWEI FUSIONSOLAR SMART ENERGY SYSTEM

Huawei uses cutting-edge Solar PV technology. The award winning NEW Huawei FusionSolar Smart Energy system 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 (5-30kw). No need to purchase an additional battery connection device or conduct a system retrofit.

When Huawei inverters (2-5kw) are combined with our all black Solar PV panels, you can power your home with clean, green renewable solar energy and dramatically reduce your energy usage, bills and carbon footprint. Not only will you achieve a greater return on investment but they also qualify for a substantial SEAI grant of up to €2,400.



**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  
winner**

# 2X POWER

## BATTERY READY FOR MORE ENERGY



### LUNA 2000 BATTERY

- Flexible investment with 5kWh modular design, scalable from 5kWh to 30kWh
- 100% depth of discharge (DoD)
- More usable energy with pack level energy optimization
- Safe & reliable performance with Lithium Iron Phosphate (LFP) cell
- Auto detected by App
- Faulty battery module auto isolates to keep system operating

### THE PERFECT PV SOLAR SOLUTION FOR YOU



#### More Daytime Consumption

Inverter output full power for daytime energy consumption.



#### More Nighttime Consumption

Inverter charges Battery at full power for more nighttime energy consumption.



One App to set up all system components.



One inverter fits both on grid and backup operating (via backup box).



Energlaize are the number one Huawei energy partners for solar and are fully trained in pre-sales system, installation & after sales service.





## MAXIMISE YOUR POWER OUTPUT

- Oversize your system to **maximise your potential output.**
- 50% increase in panels will deliver up to **30% additional energy.**
- Up to 10kW of solar PV panels on a 5KTL inverter – ideal when battery storage is added.
- Full 5kW AC Power output plus 5kW full battery charge.



## GREENER ENVIRONMENT

- A 4.2kW 10 panel system will reduce your carbon footprint by **1,000 Kilogrammes of CO<sup>2</sup> per year.**
- A 6kW system will save you over 1,750 kilogrammes per annum – that is equivalent to planting **90 trees.**

## ENERGY SAVING

You can **significantly reduce your energy bills** by installing solar PV in your home. According to the SEAI, a typical 4kW system can save homeowners almost €500 per year — and with ever increasing energy costs, payback periods are becoming even shorter.

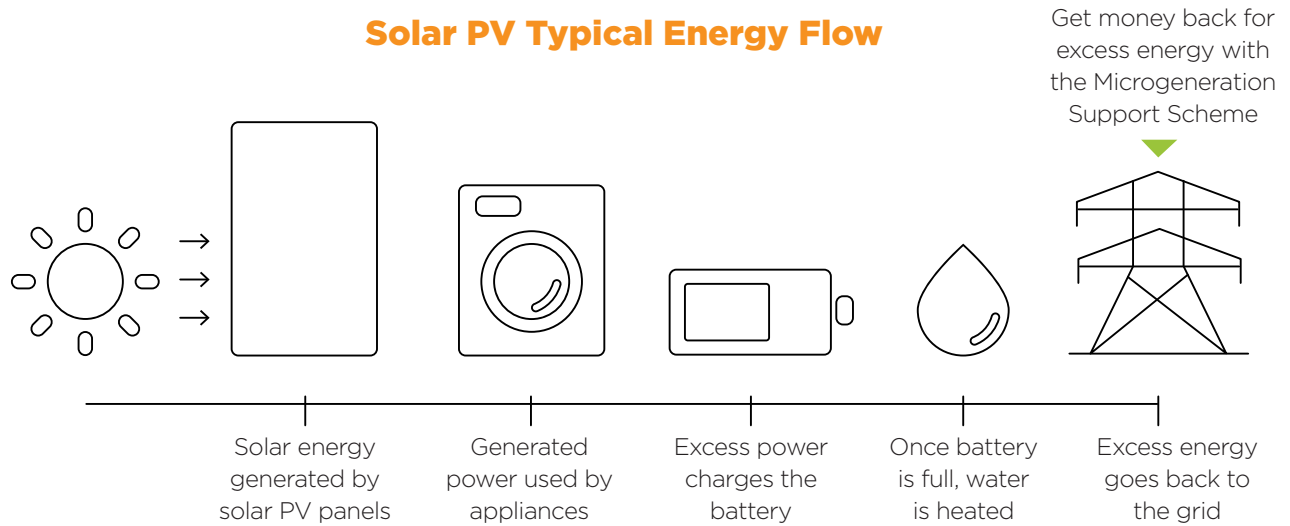


## FUTURE PROOF YOUR HOME

More and more of us are switching to electricity as our primary energy source. Therefore it makes sense to install a Solar PV system as it will help future proof your home.

Heat Pumps are now the recommended heating source for homes and the rapid growth in demand for electric vehicles make it all the more essential to **install your own electric systems while grants are available.**

## Solar PV Typical Energy Flow

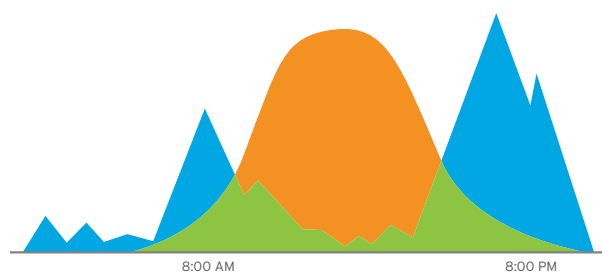


AVERAGE  
ELECTRICITY  
GENERATED  
FROM SOLAR PV

System Size (kW)	Number of Panels	kW/h Per Day	kW/h Per Annum
<b>2.52</b>	6	6.0	2,180
<b>3.36</b>	8	8.0	2,906
<b>4.2</b>	10	10.0	3,633
<b>5.04</b>	12	11.9	4,360
<b>5.88</b>	14	13.9	5,086
<b>6.72</b>	16	15.9	5,813
<b>7.56</b>	18	17.9	6,539
<b>8.4</b>	20	19.9	7,266

Based on a home solar PV system (420w panels) 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.

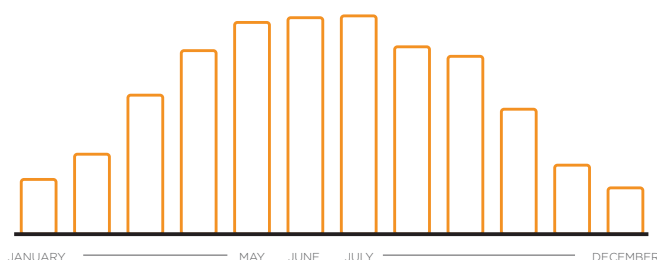
**Note:** All output figures (kWh) sourced from SEAI



- Consumption of Stored Energy
- Consumption of Solar Energy
- Solar Energy Production

The diagram to the left is for illustrative purposes only. Most systems will require energy input from the grid, unless the system has a large battery storage capacity (i.e. additional modular storage up to 15kW) and it is during the peak summer months.

Relative monthly solar energy generation in Ireland



This diagram is for illustrative purposes only. May, June & July see peak production of electricity. A well-designed system will cover 60-75% of a typical home's annual electricity demand.

## 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 MAY INCLUDE:

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



## *Solar* **JinKO** SOLAR PV PANELS

Jinko, all black solar panels, have significant quality accreditations and a high output of energy.

- 25-year product warranty
- 30-year performance warranty



Ground-mounted installation also available.

## **EDDI** WATER HEATING MODULE (OPTIONAL EXTRA)

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



## **HUAWEI**

### FUSIONCHARGE AC CAR CHARGING MODULE (OPTIONAL EXTRA)

An electric vehicle charge point that has an array of features & flexibility.



For a free quote, call Energylaze  
on 01 901 1635 or visit [www.energylaze.ie](http://www.energylaze.ie)