

GENERATE FREE ELECTRICITY FROM SOLAR PV PANELS



NEW FOR 2020



ENERGLAZE
HOME ENERGY UPGRADES

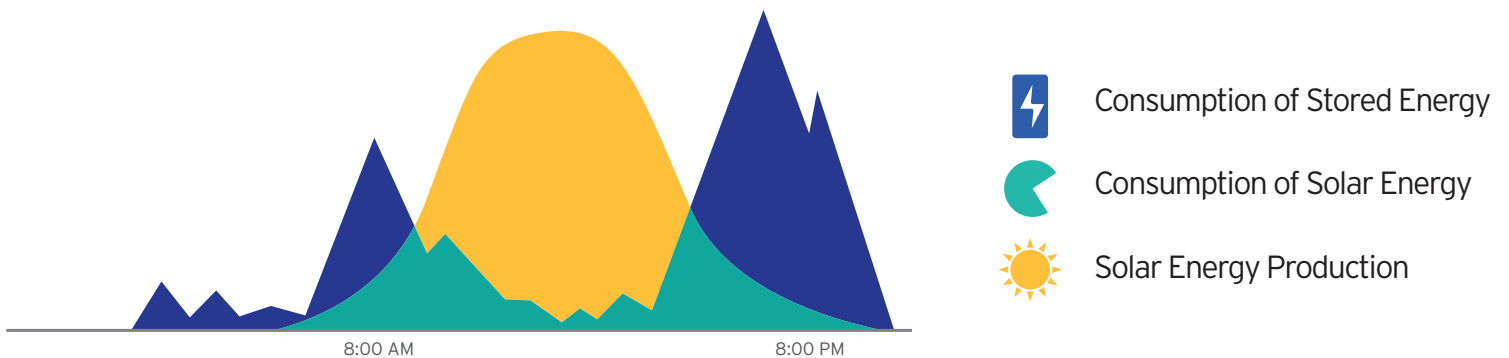
Average Electricity Generated From Solar PV

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

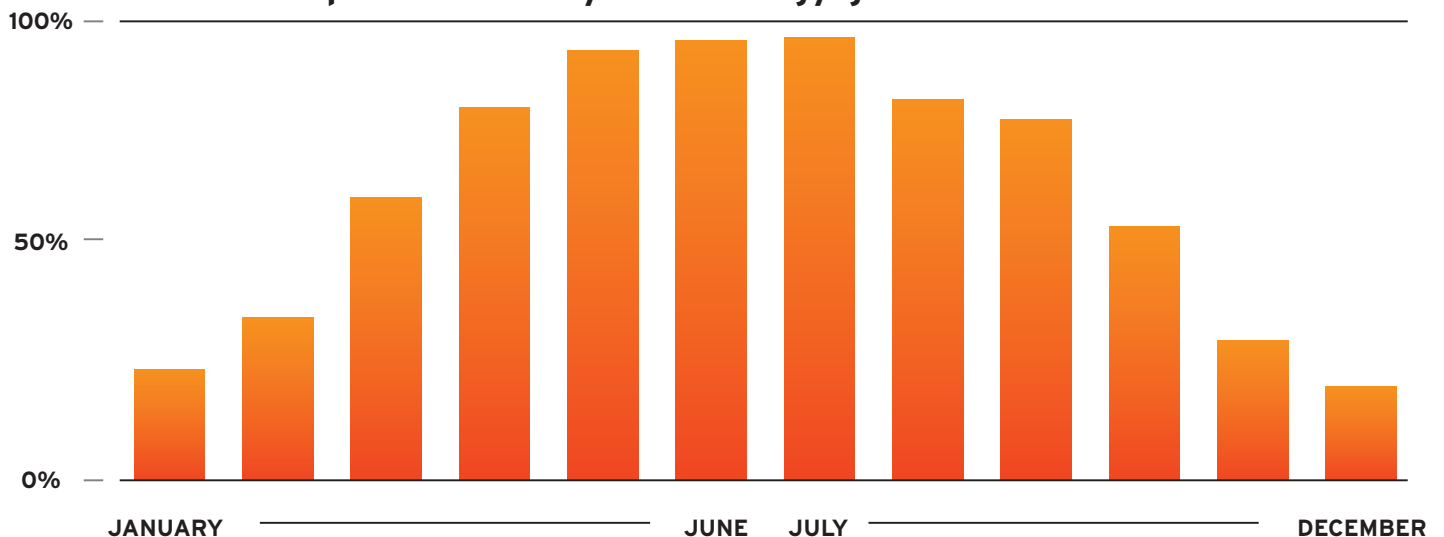
Based on a home solar PV system sized at 20 sq. m (~3kW) and well located would generate around 2,600kWh of electricity per annum. That is over 40% of the average annual electricity demand of an Irish home.

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.

FusionHome – SUN2000L Smart Energy Centre

Entry

6 - 10 Panel System

Hybrid Inverter (Battery Ready)



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 2.2kw and 3.3kw inverters 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.

FEATURES & BENEFITS

- › High quality
- › Safe & reliable
- › Maximum Power 97% efficiency
- › Maximum Output 3000w
- › IP 65 Rated and fanless
- › Integrated battery interface for future quick battery connection without extra device or retrofit cost
- › Lower upfront cost, paying for a string inverter to be battery ready
- › 10 year warranty (extendable to 15 or 20 years)
- › Wifi as standard
- › Award winning design
- › FusionSolar APP



BPE – Innovative Engineering & Design

Standard

8 - 20 Panel System

Hybrid With Battery



BPE have a proven track record with innovative renewable products and green credentials. BPE solar inverters and batteries feature software that ensures the most efficient use of generated electricity.

BPE are matched with our all black Peimar panels and the system includes an iBoost immersion heater as standard.

FEATURES & BENEFITS

- › High quality
- › Safe & reliable
- › Maximum Power 97% efficiency
- › Maximum Output 5000w
- › IP 65 Rated
- › Colour touch screen display
- › Multiple monitoring modes - easily programmable
- › Built in Wifi
- › Programmable supply priority for battery or grid
- › Stackable battery solutions
- › Configurable AC/Solar Charger priority via LCD setting
- › Overload, over temperature and short circuit protection
- › Smart battery charger design for optimised battery performance
- › Adopts LiFePO4 battery technology with exceptional safety, performance and durability
- › 5 year guarantee

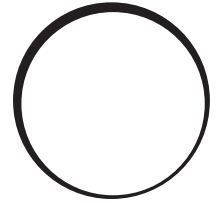


SonnenBatterie – Intelligent, Long-lasting & Economical

Premium

8 - 20 Panel System

Hybrid With Integrated Battery



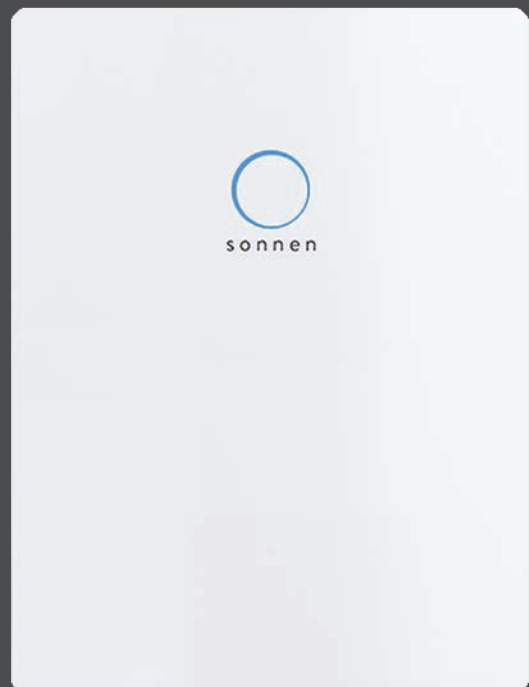
sonnen

The SonnenBatterie is a high-tech all in one Solar PV AND battery storage system, allowing you to self-produce clean energy. The SonnenBatterie includes the inverter, greatly increasing both cost efficiency and energy efficiency.

Sonnen ensure that power reaches your home with virtually no loss. So take your energy future into your own hands and reduce your energy costs to a minimum. The decision for a sonnenBatterie is also a decision for the highest standards in safety and quality that "Made in Germany" stands for.

FEATURES & BENEFITS

- › Maximum Power 97.5% efficiency
- › Maximum Output 9000w
- › IP 30 Rated
- › System intelligence - predictive charging
- › Storage size: 5kWh - 15kWh (expandable in increments of 2.5kWh)
- › Lifespan - 10,000 charge cycles
- › Complete system - ready to connect
- › Significantly reduced system cost
- › Integrated PV inverter
- › Emergency power capability with the sonnen Backup-Box
- › Smart home ready
- › 10 year guarantee



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
- › Battery storage
- › Immersion diverter
- › Wifi operation & monitoring via app



/// PEIMAR

SOLAR PV PANELS

All black Italian solar panels which offer 310w 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

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 Energglaze on 01 901 1635 or visit www.energglaze.ie



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