SOLARWATT®

Power.
Heat.
Mobility.
Solarwatt.



SOLARWATT®

FOR OVER 30 YEARS GERMAN QUALITY SINCE 1993

At Solarwatt, we are the lifelong partner for people who want to generate their own clean energy.

Contact SOLARWATT UK & Ireland

powering a better tomorrow

Over 30 years of expertise in clean energy

When we began manufacturing solar modules in 1993, we had one main goal: to enable our customers to decide for themselves where their energy comes from. And to do so with simple, long-lasting solutions.

Today, we can look back on over 30 years of experience in research, development and production. As an experienced pioneer in the photovoltaic industry, we make your personal energy transition a reality: clean electricity, clean heat and clean e-mobility. All from a single source and from your own roof.

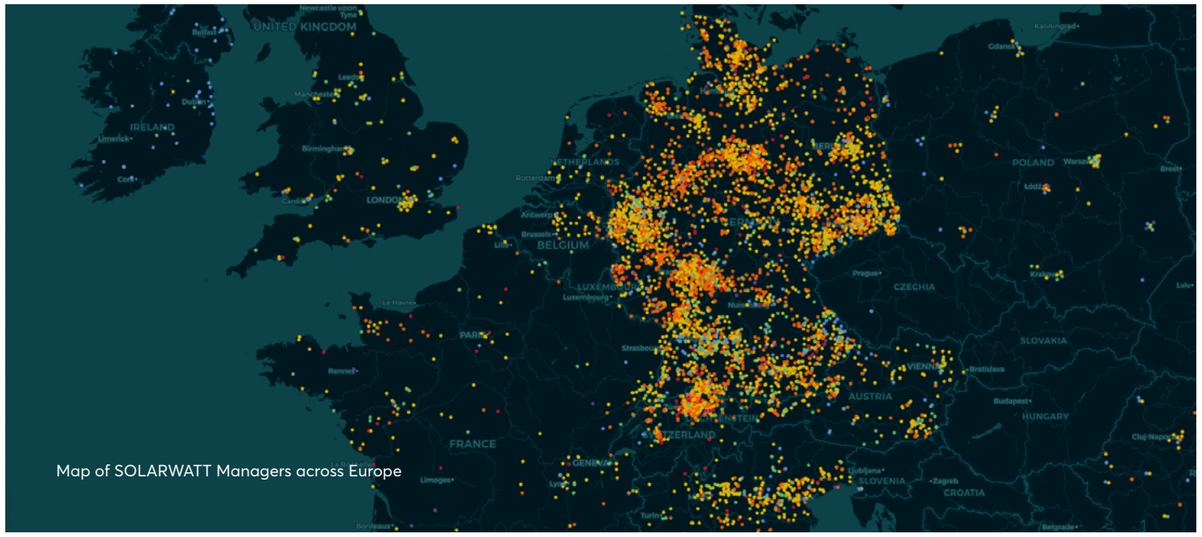
Our comprehensive services and guarantees save you time and energy, whilst our carefully coordinated products reduce costs and emissions.
We all benefit from this. After all, we all live under one roof.

Team SOLARWATT®

More than 750,000
PV systems installed across Europe

More than 130,000
Battery systems, heat pumps & EV chargers

More than 1,000
Craft installer partners across Europe



Map of SOLARWATT Managers across Europe



The SOLARWATT Home app gives you a clear around-the-clock overview of your personal electricity costs, calculated based on generated solar power and imported grid electricity costs.

GERMAN INNOVATION AWARD '26 WINNER

Comprehensive energy management with SOLARWATT Home.

Smart, AI powered energy optimisation.

Using AI-powered algorithms, the system calculates on an individual basis how solar power can be used most effectively and when electricity should be purchased from the grid. Factors such as weather data, consumption patterns, the availability of renewable energy and electricity prices are taken into account.

In addition, the system enables precise generation and consumption forecasts for even more efficient management.

Good reasons for SOLARWATT Home

- ✓ Real-time visualisation of generation, consumption, feed-in & electricity cost
- ✓ Personalised forecasts for consumption and generation
- ✓ Manual control of storage systems and appliances
- ✓ Automatic control based on schedules and operating times
- ✓ Smart control optimised for maximum solar power or dynamic tariffs

SOLARWATT Home. Always the cheapest and cleanest energy for your home.

Solarwatt offers more than just a standard PV system: all components of the system are supplied by Solarwatt or by a partner manufacturer, and we offer just one app to manage your complete energy lifestyle.

Through the intelligent networking and control of solar panels, inverters, battery storage systems, heat pumps and EV charging, we're able to maximise your self-sufficiency and significantly reduce your energy costs.



SOLARWATT Panel
A reliable supply of clean energy.

SOLARWATT Manager
The system's heart & brain.

SOLARWATT Battery
Stores your clean energy.

SOLARWATT Inverter
Turns solar power into usable electricity.

Stiebel Eltron Heat Pump
Turns clean energy into heat.

SOLARWATT Charger
Charge your EV with clean electricity.

SOLARWATT App & Portal
Everything in one app.

PV optimisation.
For maximum self-sufficiency.

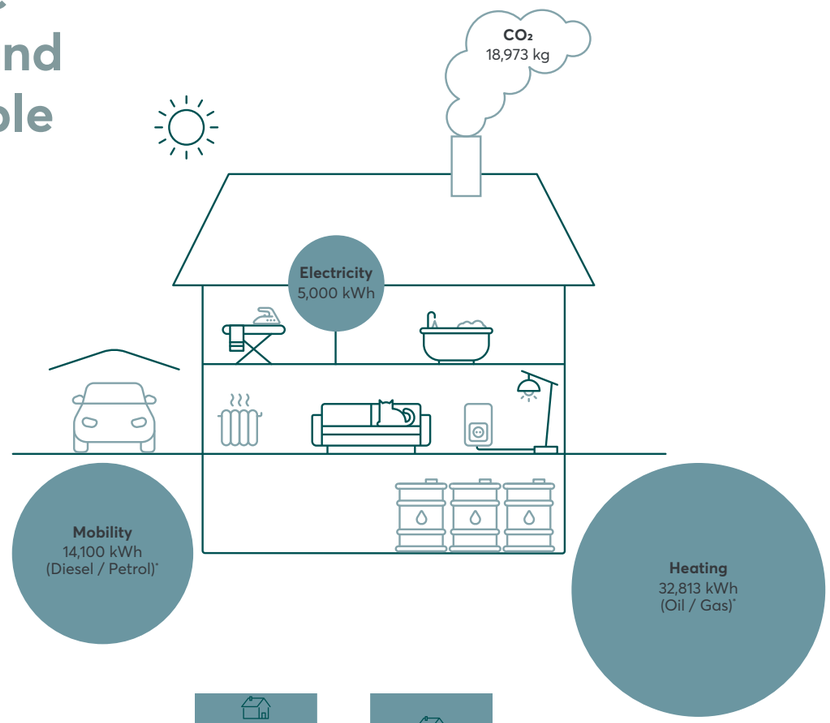
Variable electricity tariffs
Make smart use of off-peak electricity.

Premium Installation
Thanks to our partner network

Retrofit ready
Works with existing PV systems.

Expand and upgrade later on
Smart plugs, more battery packs...

Fossil Home – expensive and unsustainable



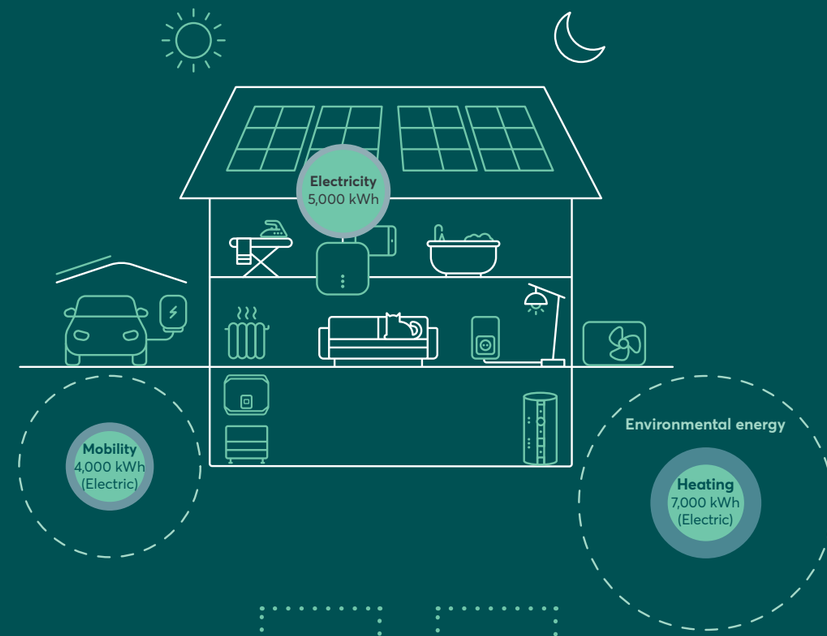
From fossil fuels – into the light: How to save energy and money.

The shift away from fossil fuels such as oil, gas and petrol towards an electrified energy supply based on solar power is a crucial step towards the future – not only from an environmental perspective, but also from an economic one.

Electrification saves energy – thanks to efficiency
Simply by electrifying heating and transport – for example, using heat pumps, electric cars and EV chargers – it is possible to reduce current energy consumption by 60 to 75 per cent. The reason is that modern electrical systems are significantly more efficient than burning and converting fossil fuels into electrical or mechanical energy.

* The average efficiency of an internal combustion engine is 30%, whilst that of a 10-year-old oil-fired heating system is 80%. The following figures were used in the cost calculation: fuel costs of €1.80 per litre, and oil costs averaging €0.95 per litre. Converted to GBP as of April 2026.

Solar Home – efficient and clean



Maximise self-sufficiency and self-consumption to save money.

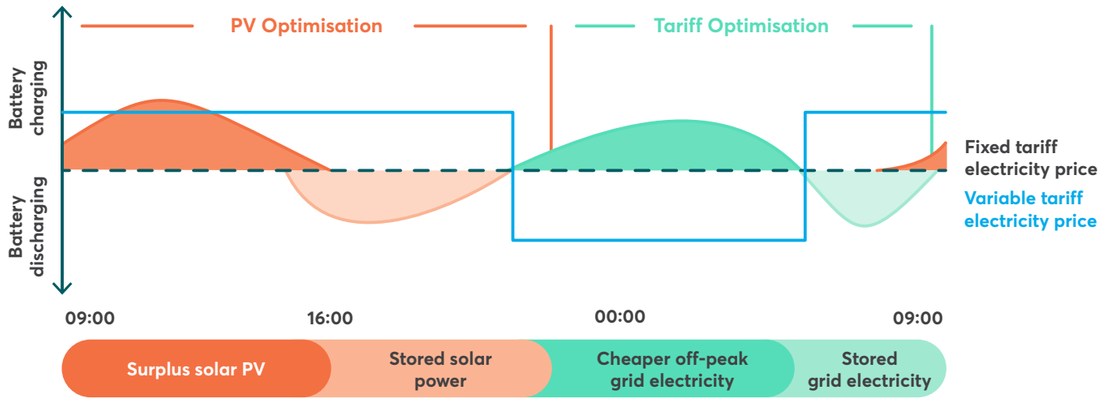
The most cost-effective way to meet your household's electricity demand is through your own solar panel system. A smart energy management system switches appliances precisely when there is enough surplus solar power available. This way, you use as much of the electricity you generate on-site as possible, save a significant amount of money and reduce your reliance on the grid.

Make use of variable electricity tariffs to save money.
You can cover your remaining electricity requirements from the grid using a variable electricity tariff, by charging a battery off cheap electricity for use during more expensive periods. With an optimised home energy management system, you can achieve maximum savings.

Solar optimisation for maximum self-sufficiency.

Self-sufficiency refers to the degree to which you can supply your own electricity from your own roof. Through solar optimisation, you can get the most out of your PV system. Household appliances run whenever the sun is shining or stored solar power is available. The SOLARWATT Manager adjusts the appliances in a fraction of a second to precisely the power currently available.

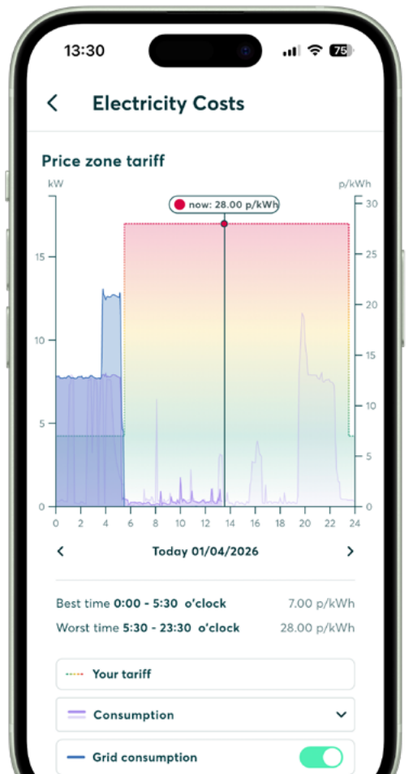
Not a single watt-hour is wasted, and as little as possible is drawn from the grid.



Grid optimisation: low-cost electricity, used intelligently.

With grid optimisation, the SOLARWATT Home app and Manager work together, directly taking your electricity tariff information to optimise your system to run off as much cheap grid electricity when the sun isn't shining.

That means topping up your battery, charging your electric vehicle, or switching on your heat pump during the off-peak rate hours of your variable tariff. Thanks to this design, the Manager even seamlessly works with dynamic electricity tariffs (such as Octopus Agile); with these, the system will look at the day-ahead pricing from the EPEX Spot power exchange to create dynamic device schedules each day.





One app. Your entire system.

With the SOLARWATT Home app and the Manager portal, you and your customers can keep track of and control all your data and connected devices at all times, such as your PV system, inverter, storage unit, heat pump, EV charger, smart sockets and much more. Whether at home or on the go, you're always in the know and can control everything.

We adhere to the highest security standards: your data is stored in encrypted form on German servers – just like with online banking.

Give our app a spin with one of our demo accounts!

Maximum energy control

Easy to use: anytime, anywhere

Use the Home app or the Manager portal to intelligently control your devices – such as heat pumps, battery storage or EV charger – or adjust them manually.

Monitor energy in real time

Track your solar power generation, battery status and the electricity consumption of your devices in real time.

Full Transparency

A live overview of your electricity generation, consumption, feed-in and potential savings – available at any time.

Analysis and Reports

Use detailed analysis and reports to optimise your energy efficiency over different time periods.

Data security

Your data is protected – stored securely and encrypted on German servers.



A smart system for genuine energy optimisation.

SOLARWATT Manager: easy to use smart home hub.

The SOLARWATT Manager connects over your customers' local network to your SOLARWATT Inverter, battery storage, heat pump and EV charger to unlock maximum control.

Instead of commissioning ending with the requirement that the customer has to install multiple apps, everything gets put in one easy-to-use app to let the customer monitor, control and automatically optimise their energy lifestyle to save money. We believe this is what a truly premium experience should look like.



Maximum compatibility for smart control.

In addition to the wide range of Solarwatt products, the SOLARWATT Manager - thanks to its open architecture - can control a variety of devices via various interfaces such as LAN, Wi-Fi, smart plugs, EEBus, or SG Ready:

- LAN/Wi-Fi: Connection of EV chargers or heat pumps
- Smart plugs: Connection of small appliances with smart plugs, such as humidifiers, air conditioners, washing machines, etc.
- SG Ready: Connection of heat pumps or immersion heaters

Plug & play installation.

You don't need to become an IT expert to deliver a premium, integrated smart home system for customers. The SOLARWATT Manager is designed to be a plug-and-play installation: setup is quick and easy with our commissioning app, and new devices are automatically detected and can be added to the app in a few clicks.

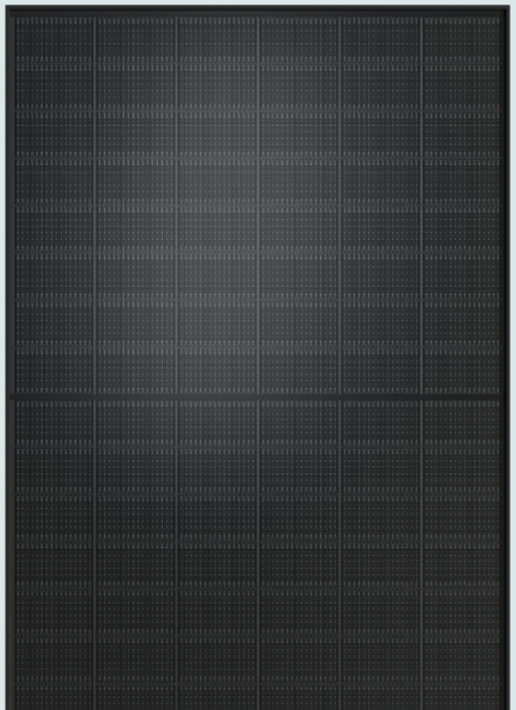
Good reasons to have a SOLARWATT Manager

- ✓ Compatible with many devices, whether from the Solarwatt range or other brands
- ✓ Genuine energy management and load balancing
- ✓ Suits a wide range of use cases
- ✓ Remote access by an installer in the event of a fault
- ✓ Simple and flexible installation, either as a DIN-rail device or for wall mounting, depending on the site



Panels that top every test. Even the test of time.

Modules are exposed to extreme conditions over decades: heat, cold, snow, wind, UV radiation and moisture. Our glass-glass modules are built to withstand these conditions – robust, reliable and tested for maximum service life. Even after more than 30 years, they still deliver 90% of their original output. For long-term value and consistent returns.



Good reasons to choose SOLARWATT Panel vision

- ✓ High power ratings of up to 470 Wp
- ✓ Excellent, robust, fair warranty terms
- ✓ Tested to withstand large hailstones and harsh weather conditions
- ✓ Certified fire safety with fire resistance class A
- ✓ Sustainable: EPD verified for having a low carbon footprint in production
- ✓ Superior aesthetics thanks to an all-black design

Durability and quality for your home.

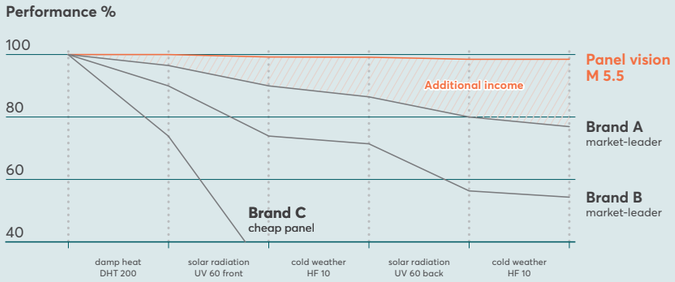
Our solar modules are made up of high-performance TOPCon cells, which are encased on both sides in heat-treated glass (2 mm thick on each side).

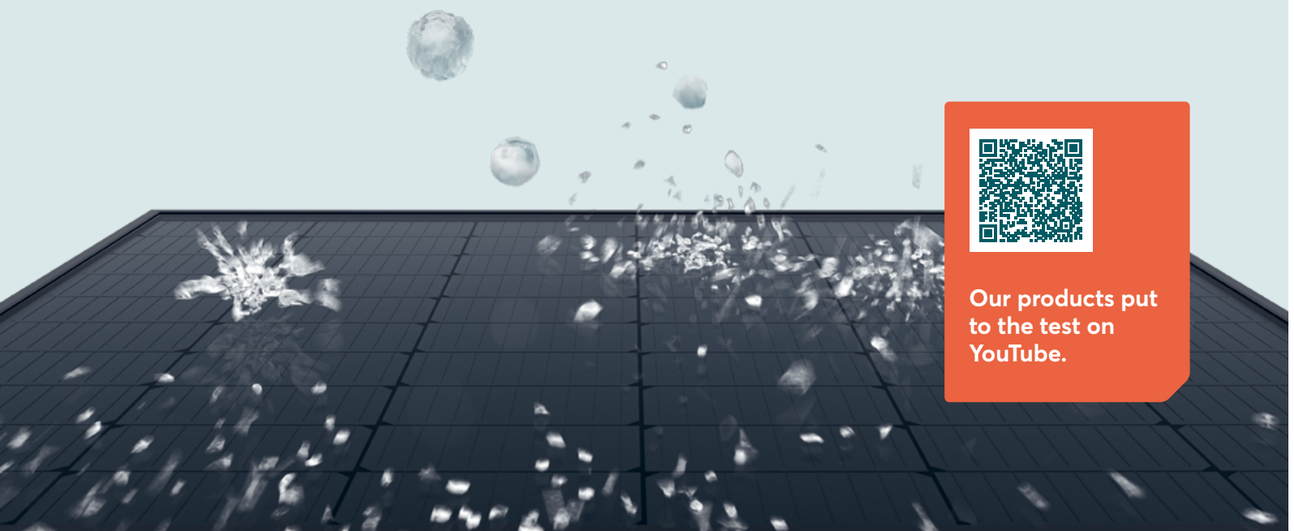
Combined with a 35 mm aluminium frame, this makes them particularly resistant to mechanical stresses such as hail, severe weather or snow. Water vapour and corrosive vapours such as salt spray or ammonia are also protected from being able to penetrate the modules.

30 years of performance, 30 years of savings.

SOLARWATT Panel vision modules undergo rigorous testing, far exceeding legal requirements. Only in this way can we not only ensure the outstanding durability, consistent performance and safety of our modules, but even guarantee this.

That is why we offer a 30-year product and performance warranty on our glass-glass modules, with a guaranteed minimum residual output of 90% after 30 years. Thanks to consistently high performance over 30 years, Solarwatt modules deliver significantly higher lifetime yield than other modules on the market.





Our products put to the test on YouTube.

The right panel for the job.



Whether it's a traditional rooftop installation or an architectural challenge – we offer the right modules for your project. For standard roofs, we stock high-performance modules in standard sizes, in black, pure, or style colour options. Our panels can be combined with an in-roof mounting system to offer an aesthetic that makes the panels appear flush with your roof tiles (e.g. a Sunfixings system).

For larger roofs, such as on commercial properties, we can offer higher power Panel vision L or even XL modules, which let you eek extra performance from a wider surface area.

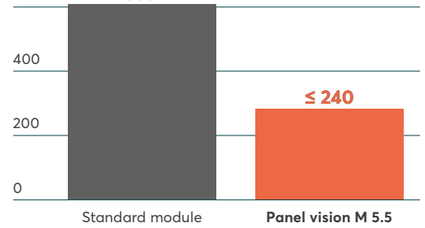
For special applications such as carports or veranda roofing, our Panel vision style modules are a great choice. Thanks to transparent inter-cell spaces, they provide pleasant lighting conditions whilst offering protection from direct sunlight.

Sustainable and fair.

By championing environmentally friendly products and fair working conditions, we at Solarwatt are underlining our commitment to being pioneers in sustainable photovoltaics. In doing so, we go far beyond legal requirements by making a significant contribution to a sustainable energy supply.

Made in zero-carbon factories
Our modules are manufactured in zero-carbon factories. These are production facilities that produce no CO_2 emissions.

The circular economy
Recycling is close to our hearts. A high percentage of raw materials that go into our panels are made with high-quality recyclables.



Fair working conditions

Fair wages | No forced labour | No child labour | Employee representation
throughout our entire supply chain



Regular inspections carried out by Solarwatt staff on site and by independent testing bodies.



in cooperation with

Always available. Your power reserve.

With Battery vision, you can collect plenty of clean solar energy during the day or charge up off cheap, off-peak grid electricity. This means you always have clean, low-cost electricity available when you need it.

Technology partnership with BMW.

This energy storage system was made possible by an exclusive technological collaboration between Solarwatt and the BMW Group. A partnership that has shaped our product development since 2017. Following more than 30 tests, special high-performance cells were selected to meet the demanding standards of the automotive industry and future certification requirements.

The modern design of the housing was created exclusively by BMW Designworks, California, USA.

Good reasons to choose SOLARWATT Battery vision

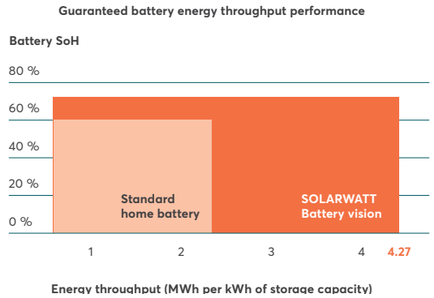
- ✓ For new builds or retrofitting
- ✓ Modular: expandable to meet growing energy requirements
- ✓ High charging and discharging capacity
- ✓ Thoroughly certified for safety
- ✓ 12-year performance warranty



Built for a long and healthy service life.

in cooperation with BMW

Every chemical battery ages, both as a result of charge-discharge cycles and simply the effect of time. Every day, your home battery storage system delivers top performance. The special cell chemistry of the Battery vision, defined by the high quality standards of the automotive industry, ensures a particularly low rate of battery capacity degradation. Even after several thousand kilowatt-hours of electricity have passed through the storage system, we guarantee a remaining usable capacity of at least 70%.



A guaranteed powerhouse.

High charging and discharging throughput:

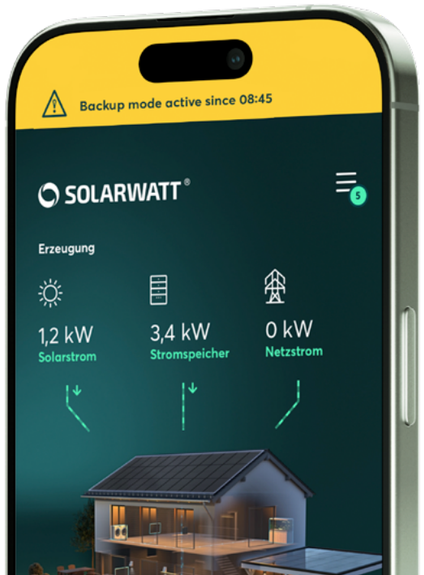
- Demand from heavy consumers – such as a heat pump – can be fully supplied from the battery – no need to draw power from the grid
- The storage system immediately absorbs all the PV electricity – nothing is fed into the grid
- Virtually uninterrupted power supply in the event of a power cut from the inverter's built-in EPS port

Flexible overdimensioning reduces hardware cost requirements:

- SOLARWATT Inverter vision supports 200% PV oversizing
- This means that our 6 kW single-phase inverter supports being connected to up to a 12 kWp PV system
- Thanks to the smart hardware design, clipping can be avoided. Using the above example on a sunny day, 6 kW can be used to charge the battery, while the other 6 kW can be put through to the home or sold back to the grid

Peace of mind with backup power.

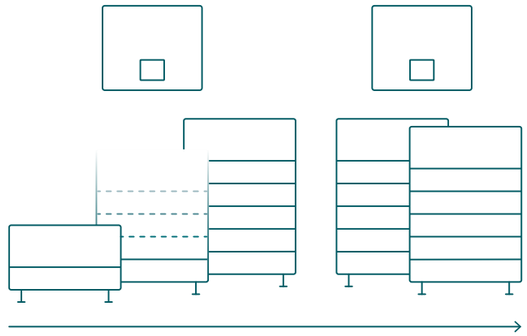
- Support for whole-home backup (Battery vision backup booster gateway required)
- Support for critical circuits backup with built-in port
- Automatic switchover to backup during a power cut
- Support for recharging your battery if there's sufficient PV generation in backup mode
- Configure a minimum emergency reserve for your battery



A modular, flexible storage system.

Our modular storage system, with a usable capacity of 4.3 kWh per battery pack, offers maximum flexibility. It can be perfectly adapted to any solar panel system to achieve the greatest possible energy independence.

Thanks to this modular design, you only pay for the storage capacity you actually need, ensuring that no valuable solar energy is wasted. Should your energy requirements increase – for example, due to a growing family or an electric car – the storage system can easily be expanded with one or two additional packs.



4.3 kWh
per battery pack

2-6 packs
per battery tower

1 or **2** towers
per inverter

up to **10** towers
in a cluster system

TÜVRheinland®
Precisely Right.

The highest possible level of safety.

Battery vision sets new standards in storage safety. A robust aluminium casing protects the battery, whilst an intelligent battery management system monitors the temperature in real time. Fire safety has been extensively tested through propagation tests and certified by TÜV Rheinland, amongst others. You can rely on certified safety for maximum reliability and protection in your home.

Standard tests as per EN IEC 62619	Solarwatt Tests as per EN IEC 62619 as well as UL 9540A
1 test carried out.	6 tests carried out.
Tested against thermal runaway in a single battery cell.	Tested against thermal runaway in both a single cell and three cells simultaneously.
No requirement for propagation testing.	Tested against cell-to-cell or pack-to-pack propagation.



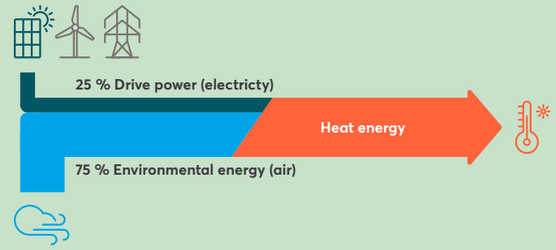
The best-in-industry integration of PV and heat pumps.

Heating and hot water can account for up to 80% of a household's energy consumption. And the prices of conventional energy sources are rising. With a heat pump, you're in a much better position. Even better if it's powered by clean electricity from your own roof. Our exclusive partnership with Stiebel Eltron enables you to make the most of these benefits thanks to our best-in-industry electrothermal energy management solution.

Top efficiency with minimum energy consumption

Heat pumps are among the most efficient heating systems available. From just 1 kWh of electricity, they generate up to 4 kWh of heating energy – that's an efficiency of up to 400%. In comparison, fossil fuel heating systems such as gas or oil heating actually result in energy losses during conversion.

Using a heat pump in combination with a photovoltaic system makes even more sense: this allows you to use the solar power you generate yourself directly for heating – clean, affordable and sustainable.



Good reasons to choose heat pumps from Stiebel Eltron

- ✓ Highly efficient energy management
- ✓ Specially developed for retrofit in existing buildings
- ✓ Best-in-class integration with a solar PV system from SOLARWATT
- ✓ UK service and support

Intelligently controlled

- Makes the absolute most of solar power
- Detailed heat consumption analysis
- Helps you improve household efficiency by identifying savings potential

Clean heat, generated by clean electricity.

The intelligent interaction between Solarwatt energy management and Stiebel Eltron products ensures optimal self-consumption of PV electricity, thereby reducing the heat pump's operating costs year-round.

This is made possible thanks to the direct communication protocol we have jointly developed between the heat pump and the SOLARWATT Manager. Based on PV and weather forecasts, the thermal energy management system creates customised heat pump schedules tailored to the thermal energy characteristics of your home.



Retrofit-ready options

The SOLARWATT Manager works best with STIEBEL ELTRON heat pumps, but is designed to also connect directly to heat pumps from popular brands, including **Vaillant, Bosch, Panasonic and others** using the open EEBus standard. For older heat pumps (including STIEBEL ELTRON heat pumps that do not support EM.Trend), the SG Ready standard is also supported (additional accessories required).

With these connection pathways, customers still get reactive PV optimisation, tariff-based optimisation, scheduling, energy consumption metrics, and boost mode manual controls in the same app.
This means that SOLARWATT can offer you and your customers the most comprehensive and easiest to install energy management solution - because more than anything else, we believe that 'premium' really means an interconnected, centrally orchestrated system integrated into a single app.

True Electrothermal Energy Management

What makes this collaboration so special:

- ✓ Direct communication between your SOLARWATT Manager and STIEBEL ELTRON ISG devices
- ✓ Taking weather forecast data, building characteristics information, live generation and temperature data, a schedule for the heat pump is created in advance to maximise its self-consumption
- ✓ The system will carry out heat-loss calculations based on the programmed heatable surface, while accounting for the battery, to optimise performance
- ✓ The heat pump can then directly modulate its output to match the available PV generation across a wide range, even when there is only a small surplus of solar power

Heat pumps and solar panels: a combination for greater efficiency.

A heat pump is particularly cost-effective when combined with a photovoltaic system. In cold British winters, the heat pump runs almost continuously - this requires a lot of energy!
It makes sense therefore to try and cover at least some of this with energy directly generated via a PV system.

Your system becomes even more cost-effective when variable electricity tariffs are also utilised. This allows cheaper grid electricity to be stored in the battery during off-peak tariff rates and used when needed – even at night.

Flexible Heating Options

In addition to heat pumps, Solarwatt also offers alternative solutions for intelligently optimised heat generation:



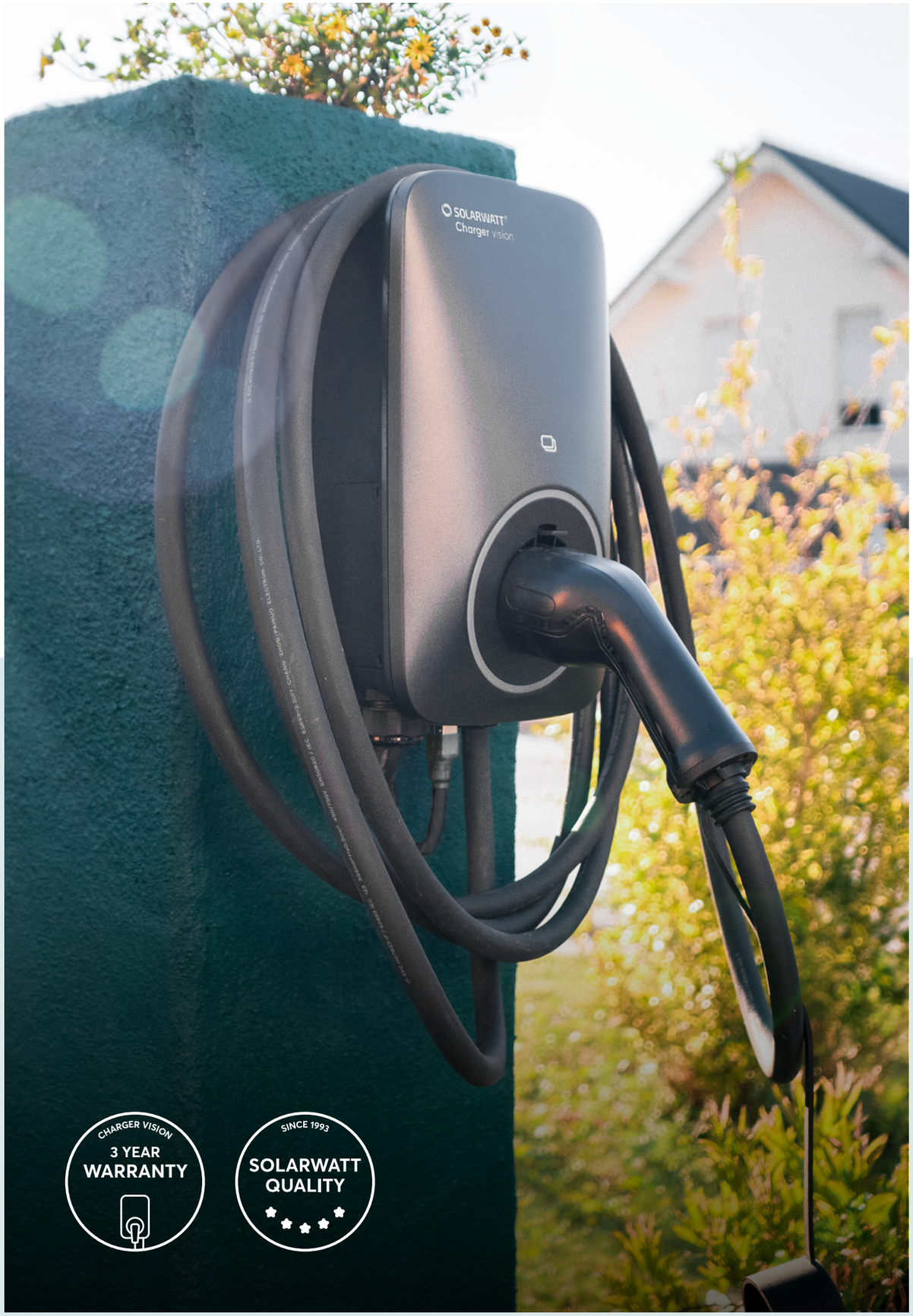
Smart relays & switches

- The 'last mile' of energy optimisation & control can be achieved through the SOLARWATT Manger's compatibility with Shelly relays and switches
- Using a Shelly meter + relay combo, a heating element on a dry contact can be switched on/off when there's excess PV
- Customers can also schedule & control individual consumers on their app with a Shelly smart plug.



Smart power diverters

- The SOLARWATT Manager is compatible with my-PV products, including AC•THOR i, a smart power diverter
- Particularly suitable for retrofitting into existing heating and hot-water storage systems
- Dynamically modulates consumption based on excess PV
- A cost effective way of massively increasing self-consumption, particularly in the summer months



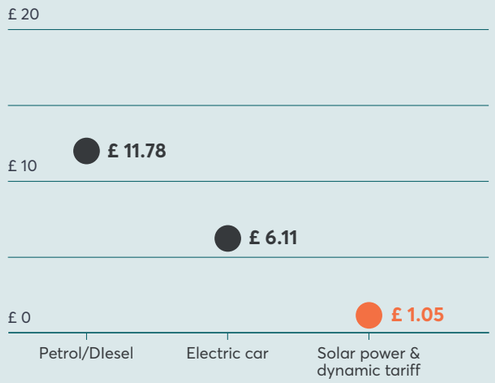
Recharge your batteries. In style.

An electric car is only truly environmentally friendly if you charge it using clean electricity from your own solar PV system. When charging the batteries of your electric vehicle, choose from four charging modes: instant charging when you need it done quickly, charging until departure time when it can be planned, solar-optimised charging when you have time, or charging from off-peak grid electricity with a variable tariff.

Soak up the sun and cut costs.

Cut your fuel costs by up to 75% whilst driving cleanly and independently.

Fuel costs (rounded) per 100 km: a comparison*



Good reasons to choose SOLARWATT Charger vision

- ✓ Charge your car even with a little bit of excess solar PV (from 1.4 kW)
- ✓ Phase switching on the 3-phase model
- ✓ Socket, or 6m Type 2 tethered versions available

Basis for calculation: BMW X3 with average fuel consumption of 8.9 L of premium petrol / BMW iX3, German energy market 2021/22.

Sources: ADAC, Statista, Verbraucherzentrale-Bundesverband, clever-tanken.de, Drewag, Federal Statistical Office, en2x, BDEW, Verivox (As of 07/2025)

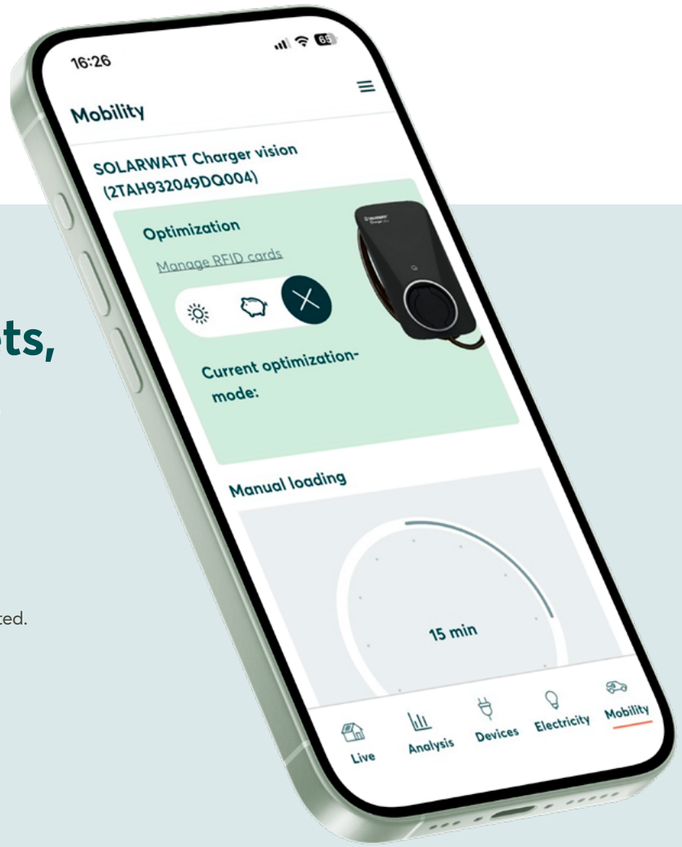
Values in Euros converted to Pound Sterling as of 04/2026.

Hit the road with the power of the sun!

With SOLARWATT Charger vision, your electric car can be set to charge as soon as there is a surplus of 1.4 kW of solar power – rather than letting valuable solar energy go to waste.

If more power is available, the charger will automatically ramp up charging (up to 11 kW switching phases if you have a three phase charger). This allows you to make the most of the solar power you generate yourself, increase self-consumption and save on energy costs.





And when the sun sets, top up from the grid.

If you have a variable electricity tariff, your SOLARWATT Charger can be easily setup to also charge from the grid during your off-peak rate hours.

Thanks to the intelligent optimisation offered by the SOLARWATT Manager, both price zone-based as well as dynamic, half-hourly based electricity tariffs are supported.

Intelligently controlled

- Create schedules and prioritise in coordination with other consumers
- Flexible charging modes: Instant charging, charging until departure time, solar-optimised or grid-optimised

Vehicle-to-grid: Your car earns money through energy trading.



Get ready for the future of e-mobility.

Our electricity grid is undergoing a transformation from a centralised distribution network with a few large power stations to a decentralised network comprising many small-scale generators, storage systems and consumers. The combined capacity of all home storage systems and electric cars will play a significant role in the energy market of the future. By choosing SOLARWATT Home and a SOLARWATT Charger, you'll be well equipped for:

- Vehicle-to-Home and Vehicle-to-Grid applications
- Direct marketing of surplus solar power
- Flexibility trading using unused storage capacity
- Energy sharing in your neighbourhood
- Billing for company car charging and multi-party applications

European Warranties

We believe in the quality of our products and offer you reliable product and performance guarantees, with Solarwatt acting as the German guarantor and direct point of contact for all our products.

- Panel vision: 30 year product & performance guarantee (90% yield after 30 years)
- Battery vision: 10 year product & 12 year performance warranty (70% guaranteed max. capacity after 12 years or 4.27 MW/kWh of throughput is exceeded)
- Inverter vision: 10 year warranty
- Charger vision: 3 year warranty
- Manager: 2 year warranty
- Stiebel Eltron heat pumps: up to 7 year warranty

What our warranties cover

Our product warranties offer you far more than just the guaranteed performance and functionality during the warranty period. In the event of a warranty claim, we not only take responsibility, but also provide:

- On-site repairs or repairs by Solarwatt
- Replacement of defective components
- Coverage of costs for removal, installation, repair or replacement in the event of a warranty claim

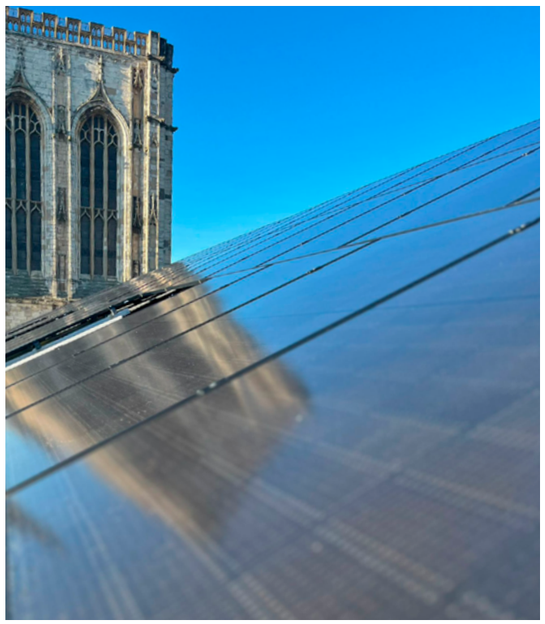
Through our warranties, we off complete peace-of-mind that your system will remain reliable for the years ahead.

Warranty documents & activation





1



2



3

1 BMW Welt, Munich, Germany
2 York Minster Cathedral, England
3 Climate House, Simbach am Inn, Germany
4 Olympic Stadium, Berlin, Germany

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