

# Independence in a new dimension

Become your own energy  
supplier right now



A member of Hager Group

# Use your energy



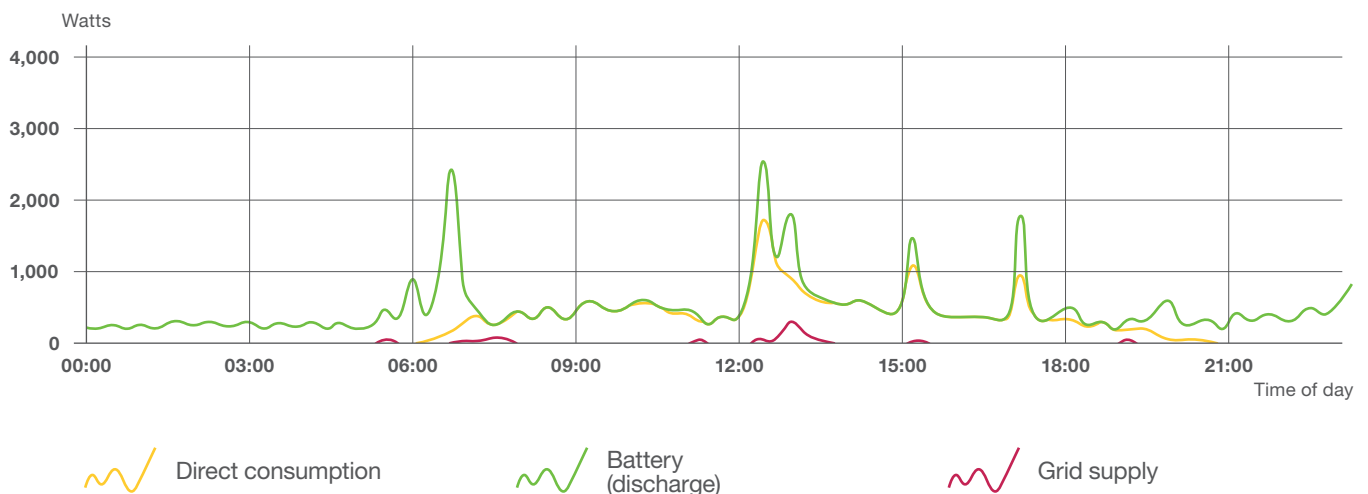
You and your home are bursting with energy! Your head does the thinking and your roof supplies the energy that you need. A photovoltaic system is quickly installed and is the first step towards your independence. But because the sun doesn't always do what we need it to, E3/DC has invented the home power station, the unique All In One solution for storing solar power.



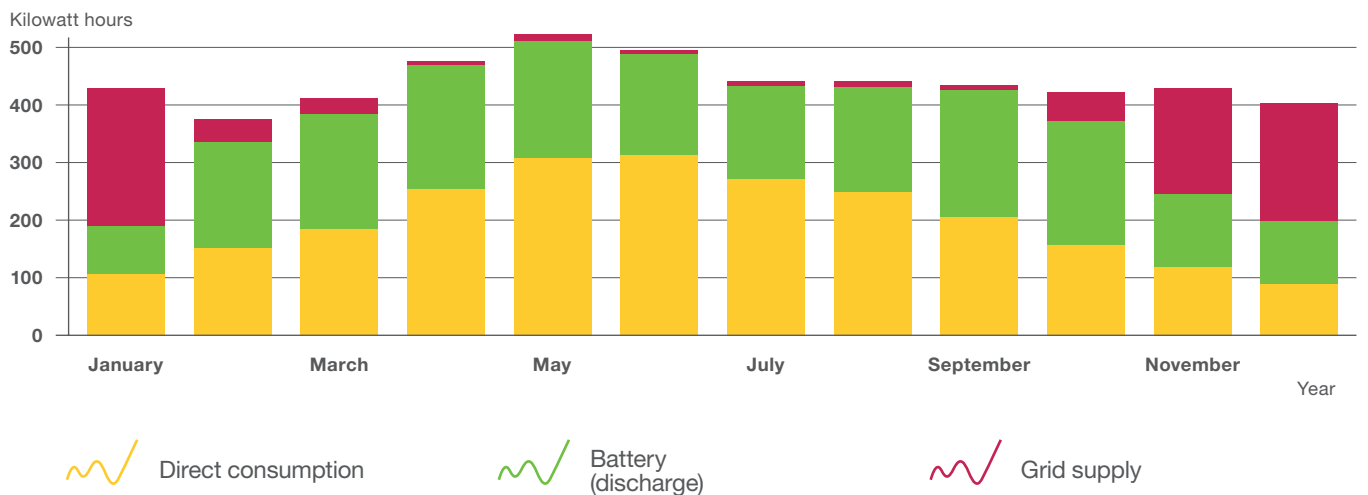
# How about a little more?

The home power station enables you to store your energy and use it whenever and however you want – ideally for everything to do with energy.

## Daily consumption on 12.05.2023

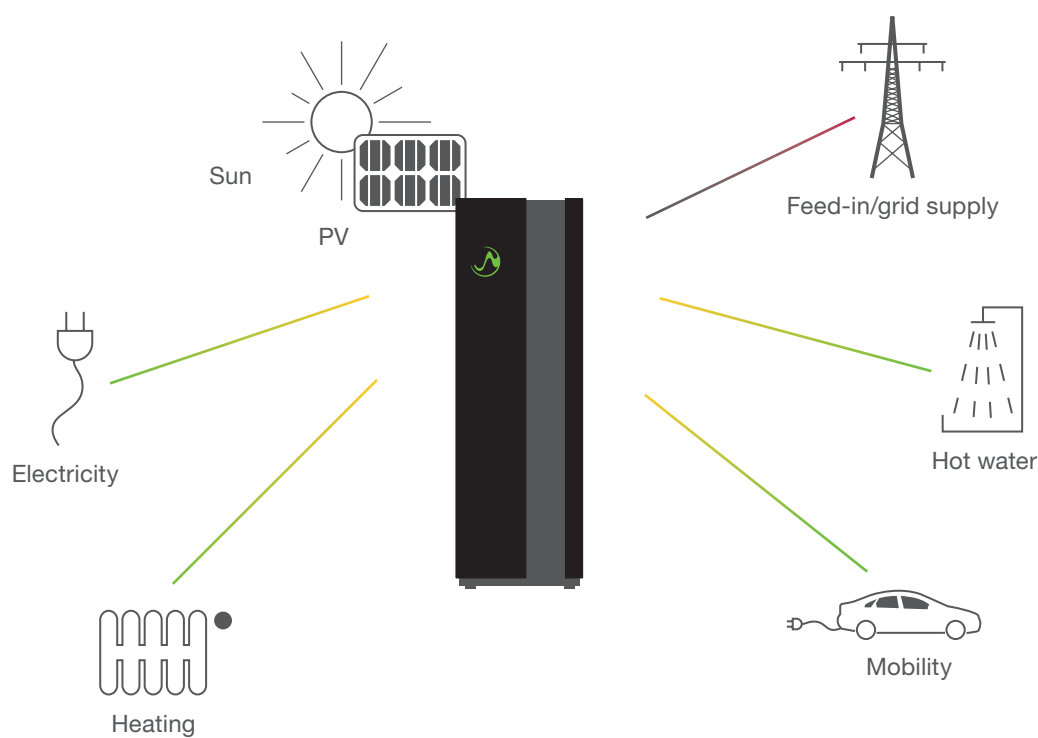


## Annual consumption in 2023



Because E3/DC has developed a smart energy management system that enables you to use clean solar power not just in your household, but also for heating and your mobility. Making you ideally prepared for the future.

And completely independent. You don't even need to be so strict about saving energy any longer, either, because the sun is generous and won't send you a bill.



The home power station is the core element of what is called sector coupling: clean solar power flows via the home power station primarily into household appliances, heat pumps or other electric heaters and your electric car. Only the electricity that is not consumed in the home is fed into the public grid.





# Enjoy your freedom without limitations

Our technology is unique: the home power station can establish its own network and supply your entire home. So you can disconnect your home from the public grid as and when you want. With your PV system and our home power station, you can live independently as long as there is enough sunshine and storage capacity.

With the home power station, you are contributing actively to climate protection, because its technology replaces fossil fuels. You produce your energy yourself.

**Faith**  
**is good –**  
**backup power**  
**is better**



Admittedly, power failures don't often occur in Germany. But when they do, it's always at the wrong time. The home power station<sup>1)</sup> offers you maximum security. If a disruption occurs in the power grid, the home power station automatically establishes its own grid and supplies your entire

home with backup power from the battery and the PV system. As a unique storage system, your home power station can completely replace the grid. And you can set the reserve to be retained as backup power yourself.



Regional power failures occur time and again in Germany. In 2021, the average supply interruption per electricity consumer in Germany was a good 12.7 minutes (source: Bundesnetzagentur). That doesn't sound much, but it can prove really annoying: in the rural district of Biberach, for example, the power failed during the opening game of the World Cup in June 2014, leaving numerous fans staring at a blank screen, at least temporarily.

<sup>1)</sup> All home power stations except for the S10 SE are equipped with a 3-phase backup power function.

# Manage your energy

All home power stations have the complete energy management system and supply backup power. You determine the output and capacity.

The home power station is much more than just a power storage system because our All In One solution intelligently controls all energy flows in your home. Filling up with solar power and using your own energy to cook, wash, cool and surf the Internet? Your home power station regulates all of that automatically, and much more besides.

Our portal enables you to keep your eye on everything and also to become your own energy boss, of course. From the integrated power inverter and the smart energy management system to the powerful battery, the home power station has everything you need to be independent. And it all comes with E3/DC's ten-year warranty – with no ifs or buts.



With the exception of the S10 SE / S10 SE+, all E3/DC home power stations offer the INFINITY option. The battery system can therefore be extended for five years.

With the PV plus concept from E3/DC, the PV output to the home power station can be extended at any time. New modules lead to more solar power for heat and mobility!



# Live free of energy costs

E3/DC recommends: your PV system should generate at least 1.5 to 2 times your annual electricity requirements. A fully covered roof leads to maximum CO<sub>2</sub> savings and offers reserves for an electric car.

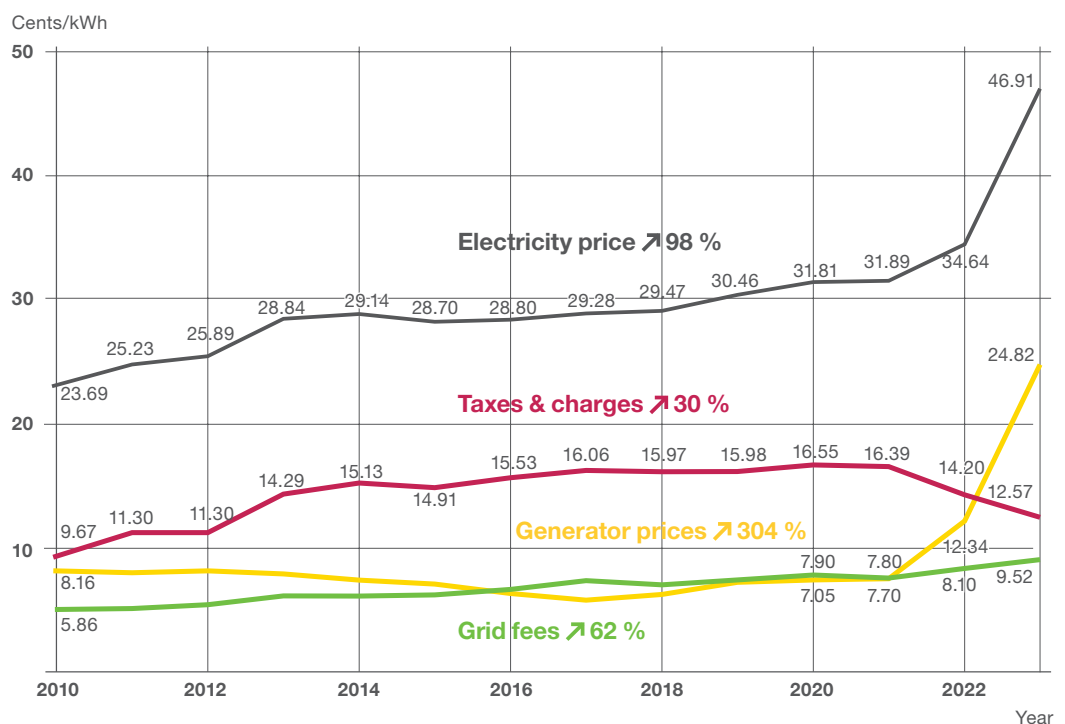


A PV system and a home power station are your investment in a secure future. And it pays dividends, too: with solar power, you can immediately eliminate the majority of your energy costs, because you produce the electricity for your household, heating and mobility yourself.

You decide on your future: the more PV output you install or add later on, the more independence you achieve. The better the storage system matches your consumption profile, the more electricity you can use yourself. The rest is as simple and clear as a cloudless sky: the income from feeding in the surplus finances the remaining electricity that you need – and, with right the configuration, some money will even go into your pocket, too!

## Electricity price development from 2010 to 2023

Price in cents per kWh with an average consumption of 3,500 kWh per year.



Source: <https://strom-report.com/strompreise/strompreisentwicklung/#strompreisentwicklung-2023-details>  
(status: 02.02.2023)

Overview of home power stations

# All In One for everyone

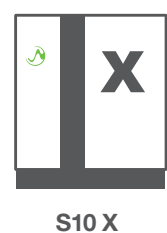




The home power station is specialised in the self-sufficient supply of energy. But every person is different, as is each home. Which is why our All In One system solution with solar power inverter, energy management system and backup power function is available in three power categories. We recommend the S10 SE+ for smaller applications. The S10 X is an all-rounder: this home power station with a spatially separable battery cabinet sets the standard for independence in single-family homes, also as a COMPACT unit with reduced space requirements. In combination with a large PV system, the S10 E PRO COMPACT home power station enables maximum self-sufficiency because you can also efficiently supply a heat pump and an electric car from the power storage system. The new S20 X PRO, the most powerful home power station in E3/DC's portfolio, is designed for particularly demanding applications with PV outputs of up to 45 kWp. The following applies to all solutions: if your electricity requirements increase due to your electric heating or an electric car, you can extend the capacity of each home power station (except for the S10 SE+) for five years.

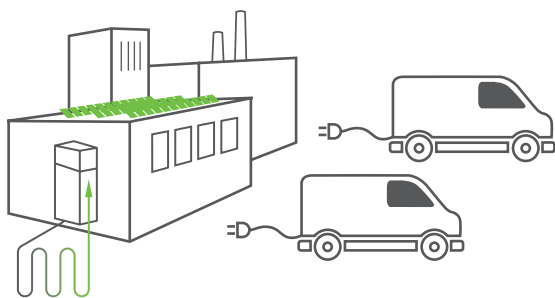
**Our home power station is the market leader in supplying solar backup power.**

# One principle, numerous solutions



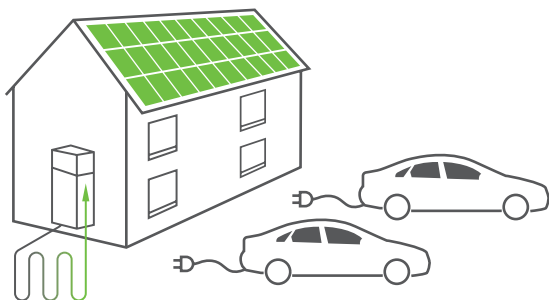
Your home power station matches your needs – today and tomorrow. Choose your home power station individually according to your consumption and your wishes. If you want to use even more of your own energy in the future, appropriate extension options are available for all systems: you can increase your PV output without any changes to your home power station (PV plus). With the INFINITY concept, E3/DC enables you to extend your battery capacity for five years.

100 ... 200 kWp



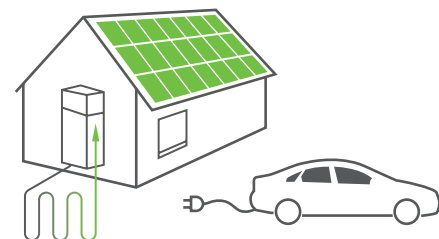
100,000 kWh

30 ... 45 kWp



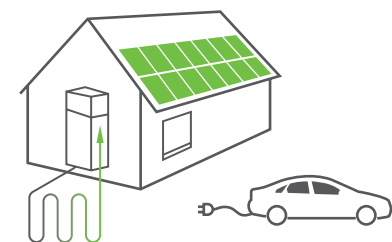
25,000 kWh

20 kWp



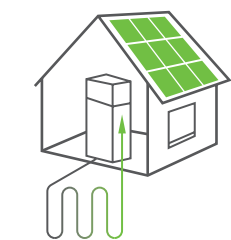
12,000 kWh

15 kWp



8,500 kWh

10 kWp





















5,000 kWh

8.5 kWp

2,500 kWh

# Overview of home power stations

Highlights	S10 SE+ <sup>1)</sup>	S10 X / COMPACT variant <sup>1)</sup>
Usable battery capacity (kWh)	5.25 to 11.2	8.25 to 20.6
Recommended for an annual electricity consumption of (kWh)	Up to 5,000	Over 3,000
Battery capacity retrofitting for 5 years (INFINITY)		Optional
Suitable for	Comfort + heat or comfort + car	Comfort + heat or comfort + car
Number of battery circuits	1	1
Feed-in phases	3	3
Connection phases	3	3
Battery installation location	Separate battery cabinet <sup>2)</sup>	S10 X and COMPACT variant: battery cabinet <sup>2)</sup>
Lithium-ion technology <sup>3)</sup>		
Freedom from electricity costs <sup>4)</sup>		
Freedom from energy costs <sup>4)</sup> incl. heat and mobility		
System warranty for 10 years		
All In One system (made in Germany)		
Free support, software updates and remote maintenance		
Internally developed, intelligent energy management system		
Prepared for home automation as standard		
Integration of further power sources (PV, CHP) possible		
Farming operation possible		
<b>Backup power</b>		
Backup power supply	3-phase with backup power box	Entire home
Continuous supply in sunlight / isolated operation		
Backup power reserve adjustable		
<b>Heat</b>		
Heat pump operation via energy management system		
Heat pump operation from the battery		
<b>Mobility</b>		
Free solar charging during the day		
Night-time charging function from the battery <sup>5)</sup> with grid support		
Night-time charging function from the battery <sup>5)</sup>		
Preparation for future bidirectional charging functions		

S10 E PRO COMPACT <sup>1)</sup>	S20 X PRO <sup>1)</sup>
11.7 to 29.2	20.6 to 123.6
Over 6,500	Over 12,000
Integrated	Integrated
Comfort + heat + car	Comfort + heat + car
2	2
3	3
3	3
S10 E PRO COMPACT: Battery cabinet	1 to 4 battery cabinets
	
	
	
	
	
	
	
	
	
	
Entire home + heat	Entire home + heat
 	  
  	  
	
  <sup>6)</sup>	   <sup>6)</sup>
	
	
  <sup>6)</sup>	   <sup>6)</sup>
	

<sup>1)</sup> This is not an official data sheet – please use the official product data sheets for the systems.

<sup>2)</sup> With the S10 SE, S10 X and the S10 X COMPACT variant home power stations, the battery cabinets can be installed spatially separated.

<sup>3)</sup> E3/DC exclusively uses top-class battery modules with various cell technologies in the home power station. These include both modules with automotive technology and cobalt-free batteries. The choice is yours.

<sup>4)</sup> An individual calculation is necessary. Cost freedom necessitates optimised consumption behaviour and gives consideration to income from the feed-in remuneration. Guideline value for design: the PV system should generate approximately 1.5 to 2 times your annual electricity consumption.

<sup>5)</sup> With the S10 E PRO and S20 X PRO, the discharge capacity enables the electric car to be charged solely from the battery. The home power stations from the SE+ and X series support mains changing with energy available from the battery.

<sup>6)</sup> Extended functionality

# Solar charging day & night

It's great to communicate: The E3/DC Wallbox multi connect II establishes the connection between your E3/DC storage system and your electric car. Your Wallbox makes sure that only solar power is charged if you have chosen that and would like to drive without emissions. Alternatively, of course, you can also charge from the grid whenever you want, but only ever as much as is needed. You always have control over your charging processes. With the RFID function of the

multi connect II, you can assign charge volumes to specific users or vehicles. Thanks to automatic switching between one- and three-phase operation, the E3/DC Wallboxes can charge the car with solar power from as little as 1,380 W and are therefore particularly suitable for consistently using solar charging early in the morning, late in the evening and in diffuse sunlight. The percentage of self-produced electricity used in mobility is maximised.

**Wallbox multi connect II <sup>1)</sup>**

Operating / installation location	Garage / carport
Installation method	Wall mounting, optionally pedestal
RFID function	Yes
Min. / max. ambient temperature (°C)	-25 / +50
Protection rating in accordance with EN 61439-7	Protected against splash water from all sides
Grid connection	3ph   400 V   32 A   50 Hz
Max. charging capacity (kVA)	11 <sup>2)</sup> / 22
Charging sockets or charging cable	Type 2
Intelligent charging	Reduction of Mode 3 charging capacity in accordance with IEC 61851
Automatic phase switching	Yes
Output voltage (V)	230 / 400
Output current (A)	16 / 32

<sup>1)</sup> This is not an official data sheet – please use the official product data sheets for the systems.

<sup>2)</sup> The 11-kW variant is not subject to mandatory approval.

E3/DC's energy management system is intelligent and is constantly being adapted to the charging characteristics of new electric car models.



Solar charging is only possible during the day? Wrong, because your home power station can also transfer the stored energy to your electric car via the Wallbox after the sun goes down. Naturally, that is only ever possible depending on the available battery capacity and the charging capacity of your storage system. Particularly effective night-time charging is possible with the powerful S10 E PRO and S20 X PRO series home power stations, thereby providing you with a private 24/7 solar filling station and allowing you to drive pretty much free of charge.

E3/DC offers perfect charging management thanks to forecast-based charging: you can define what minimum range you need at a specific point in time. The Wallbox makes sure that the car is charged with as much solar power as possible: maximum solar, minimum grid!

E-mobility is the most lucrative option for using solar power directly or from your storage system. No other use saves as much money compared to fossil energy.



Wallbox multi connect II with RFID card reader

# What you can rely on: our warranty

You are investing in your future and relying on our technology. E3/DC has earned your trust because we grant a 10-year warranty on the batteries and all system components in the home power stations. Thanks to the comprehensive performance and product warranty, you can be sure that all parts of your storage system will work efficiently for your independence throughout the entire period.





In an independent customer satisfaction analysis, E3/DC was the only supplier of storage systems to achieve a top score, for the fifth time. The current customer satisfaction seal of approval from EuPD Research with the overall rating of “Very good” is valid until the end of 2023.

We are judged by the most important experts of all – our customers. Around 150,000 people are now using storage systems from E3/DC and enjoying independence on a daily basis.

End customers are regularly surveyed in detail about how satisfied they are with our products and our service. The most recent customer survey was conducted by EuPD Research in the autumn of 2022. It showed that customers are very satisfied with both the storage system and the installation technicians.

We are E3/DC. When are you going to join us?



# A brand of the Century

**According to the definition of “Brands of the Century”, the home power station is a product that exemplifies an entire product genre. That is exactly how we see it, too. E3/DC has defined the standard for independent energy supply.**

E3/DC has been honoured in a particular way for the home power station: we are the only supplier of storage systems to be listed as a “Brand of the Century” since 2015. In 2022, E3/DC was given this prestigious award for the third time. We are in good company, as well. Just think, for example, of a certain paper tissue whose brand name is familiar to everyone.





# E3/DC – we are the specialists



Once upon a time ... a team of engineers developed an electric car at Karmann in Osnabrück. Whoever is familiar with the car industry knows that Karmann is history. But the tale of our engineers continued and went on to become a success story named E3/DC.



What remained was our base in Osnabrück, a love of electrical engineering and, of course, the valuable development, design engineering and manufacturing know-how that is acquired in the automotive sector.

Otherwise, E3/DC was and remains concerned solely with innovation and the future: we – now numbering over

300 employees – are driven by the will to shape the energy revolution intelligently and with convincing technology. E3/DC has been setting the standard for independence and consistently evolving the home power station and other products since 2012.

Thanks to E3/DC, residential buildings that can completely supply themselves

with energy and electric cars that are charged over night with your own solar power are no longer a vision, but reality. The storage system technology is mature and electric cars are conquering the roads. Looking back at E3/DC's beginnings, you might say that things have come full circle – and the future has begun!

# ENERGY STORAGE E3 DC

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     [e3dc.com](https://e3dc.com)

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