









HomeHub - simply more freedom:

Storing energy and using it on demand.

■ We set the highest standards for the performance and design of the HomeHub from the very beginning. The result is a modular system, based on 2.5 kWh modules, which can easily be extended to meet the changing demands of a family or business.

Any storage device requires a corresponding inverter. The choice of inverter is crucial as it converts the direct current (DC) produced by your solar system into alternating current (AC) that is needed to operate all of your devices

We have selected a Swiss made precision system that features extraordinary peak load stability and does not consume any power itself.



Perfect design

HomeHub was developed in Europe. The main focus was on top performance as well as design and flexibility.

Indoors and outdoors

The HomeHub features a robust and elegant stainless-steel housing and can be used indoors as well as out-

Glass door

A glass door enables you to view all the operating modes of the system at a glance.



Intelligent controller

The intelligent controller manages the memory modules and thereby ensures a long service life and perfect performance of the HomeHub.

Modularity

You can start with a small system and add additional modules as your requirements grow.

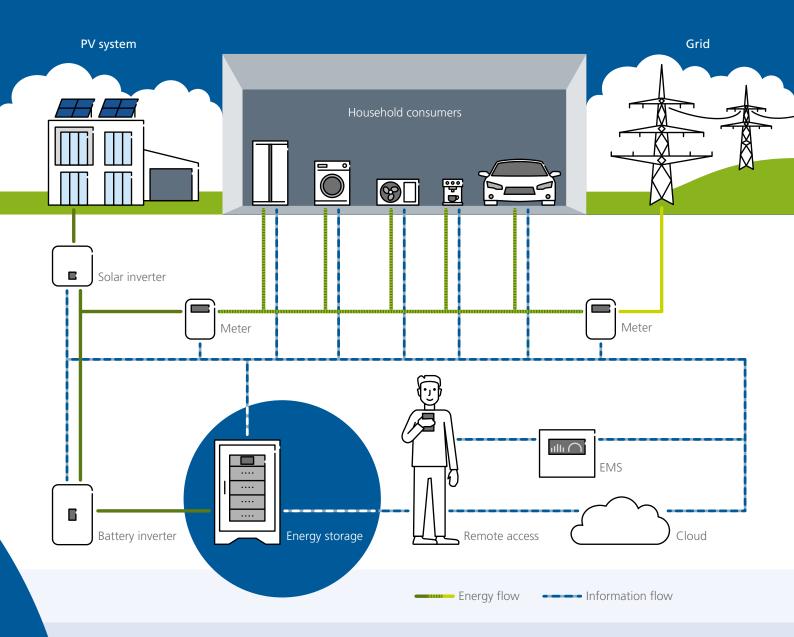
Cloud based

The control unit in the energy management system is the heart of the HomeHub. No matter where you are, you can monitor and control your HomeHub with a smartphone or tablet computer.

The issues of **system safety** and **longevity** are of great importance to us, which is why we have chosen **lithium iron phosphate** battery cells. In the event of a power failure, our system will take over the power supply of

your connected devices at lightning speed, within 15 milliseconds, making sure that computers, for example, can continue to operate reliably **(UPS function)**.

Generation and optimal use of solar energy: smart control and efficiency throughout the entire house!



The **HomeHub** family

Home**Hub** – Always in control:

The integrated monitoring system.



■ The elegant HomeHub system can do more than simply store energy: the master module with a battery management system (BMS) also provides you with a clear overview of all the processes in the individual memory modules that you can easily expand yourself.

The separate energy management system (EMS) enables the central control of each individual consumer and gives you an overview of the energy you produce and consume.

The HomeHub system allows you to optimize your own energy consumption in such a way that you consume the energy that you produce yourself in order to achieve a higher degree of self-sufficiency and a higher self-consumption rate.

You can operate everything via a touchscreen on site or, regardless of where you are, you can also monitor and control the system performance online at any time via a mobile, web-enabled device.



Technical data overview.

System characteristics	Max. energy content	10 kWh
	Max. capacity	200 Ah
	Max. charging current	200 A (1 C @ 25 °C)
	Max. discharge current	200 A (1 C @ 25 °C)
	Min. charging time	1 h
	End-of-charge voltage	57.6 Vdc
	End-of-discharge voltage	43.2 Vdc
	Max. number of battery modules	4
	IP rating	IP 55
	Communications ports	CAN, Ethernet
	BMS	Yes
	Protection Class	III (SELV_PELV)
	Backup power	Yes
	Material	Stainless steel
	Dimensions (length x width x hight)	(690 x 550 x 1,100) mm
	Weight (cabinet)	80 kg
	Max. weight	208 kg
	TVIAX. VVCIGITE	
Battery module	Cell chemistry	Lithium iron phosphate (LiFePO4)
Battery module		
Battery module	Cell chemistry	Lithium iron phosphate (LiFePO4)
Battery module	Cell chemistry Nominal voltage	Lithium iron phosphate (LiFePO4) 51.2 Vdc
Battery module	Cell chemistry Nominal voltage Energy content	Lithium iron phosphate (LiFePO4) 51.2 Vdc 2.5 kWh
Battery module	Cell chemistry Nominal voltage Energy content Nominal capacity	Lithium iron phosphate (LiFePO4) 51.2 Vdc 2.5 kWh 50 Ah
Battery module	Cell chemistry Nominal voltage Energy content Nominal capacity Recommended charging current	Lithium iron phosphate (LiFePO4) 51.2 Vdc 2.5 kWh 50 Ah 10 A (0,2 C @ 25 °C)
Battery module	Cell chemistry Nominal voltage Energy content Nominal capacity Recommended charging current Max. charging current	Lithium iron phosphate (LiFePO4) 51.2 Vdc 2.5 kWh 50 Ah 10 A (0,2 C @ 25 °C) 50 A (1 C @ 25 °C)
Battery module	Cell chemistry Nominal voltage Energy content Nominal capacity Recommended charging current Max. charging current End-of-charge voltage (cell)	Lithium iron phosphate (LiFePO4) 51.2 Vdc 2.5 kWh 50 Ah 10 A (0,2 C @ 25 °C) 50 A (1 C @ 25 °C) 3.60 Vdc
Battery module	Cell chemistry Nominal voltage Energy content Nominal capacity Recommended charging current Max. charging current End-of-charge voltage (cell) Nominal voltage (cell)	Lithium iron phosphate (LiFePO4) 51.2 Vdc 2.5 kWh 50 Ah 10 A (0,2 C @ 25 °C) 50 A (1 C @ 25 °C) 3.60 Vdc 3.20 Vdc
Battery module	Cell chemistry Nominal voltage Energy content Nominal capacity Recommended charging current Max. charging current End-of-charge voltage (cell) Nominal voltage (cell) End-of-discharge voltage (cell)	Lithium iron phosphate (LiFePO4) 51.2 Vdc 2.5 kWh 50 Ah 10 A (0,2 C @ 25 °C) 50 A (1 C @ 25 °C) 3.60 Vdc 3.20 Vdc 2,70 Vdc
Battery module Ambient conditions	Cell chemistry Nominal voltage Energy content Nominal capacity Recommended charging current Max. charging current End-of-charge voltage (cell) Nominal voltage (cell) End-of-discharge voltage (cell) Dimensions (length x width x hight)	Lithium iron phosphate (LiFePO4) 51.2 Vdc 2.5 kWh 50 Ah 10 A (0,2 C @ 25 °C) 50 A (1 C @ 25 °C) 3.60 Vdc 3.20 Vdc 2,70 Vdc 435 x 502 x 117 mm
	Cell chemistry Nominal voltage Energy content Nominal capacity Recommended charging current Max. charging current End-of-charge voltage (cell) Nominal voltage (cell) End-of-discharge voltage (cell) Dimensions (length x width x hight) Weight	Lithium iron phosphate (LiFePO4) 51.2 Vdc 2.5 kWh 50 Ah 10 A (0,2 C @ 25 °C) 50 A (1 C @ 25 °C) 3.60 Vdc 2,70 Vdc 435 x 502 x 117 mm 28 kg
	Cell chemistry Nominal voltage Energy content Nominal capacity Recommended charging current Max. charging current End-of-charge voltage (cell) Nominal voltage (cell) End-of-discharge voltage (cell) Dimensions (length x width x hight) Weight Operating temperature	Lithium iron phosphate (LiFePO4) 51.2 Vdc 2.5 kWh 50 Ah 10 A (0,2 C @ 25 °C) 50 A (1 C @ 25 °C) 3.60 Vdc 3.20 Vdc 2,70 Vdc 435 x 502 x 117 mm 28 kg -10 to +55 °C
	Cell chemistry Nominal voltage Energy content Nominal capacity Recommended charging current Max. charging current End-of-charge voltage (cell) Nominal voltage (cell) End-of-discharge voltage (cell) Dimensions (length x width x hight) Weight Operating temperature Storage temperature	Lithium iron phosphate (LiFePO4) 51.2 Vdc 2.5 kWh 50 Ah 10 A (0,2 C @ 25 °C) 50 A (1 C @ 25 °C) 3.60 Vdc 3.20 Vdc 2,70 Vdc 435 x 502 x 117 mm 28 kg -10 to +55 °C -20 to +60 °C 0 to 95%

^{*}subject to operating conditions



