

SAX Power Home 5,8 kWh

System data

Nominal capacity	5,76 kWh
Usable capacity	5,2 kWh
UModularly expandable	up to 17,3 kWh
Battery type	LiFePO4
Cell data	3,2 V; 15 Ah
Nominal voltage	230 V AC, 1-phase
Discharge power normal	4,6 kW
Discharge power Plug-in	3,68 kW
Charging power	1.4 kW up to 2.5 kW
Nominal current normal	20 A
Nominal current plug-In	16 A
Weight	53 kg
Storage dimensions	530 x 530 x 250 mm
Cooling	passive cooling
Display type	e-Paper display

Operating data

All-In-One	Integrated inverter function
Conversion efficiency	99%
Communication	Modbus RTU, Modbus TCP/UDP
Communication ports	RS485, RJ45 (LAN)
Battery warranty	10 years at least 80%
Permissible ambient temperature	5°-35°C
Permissible max. rel. humidity	90%
Dust and water protection	IP 30
Certification	DE, AT, CH, FR, BE, PL UN38.3 (Transport)
Protection class	1 (Protective earthing)
Standby power consumption	approx. 4W

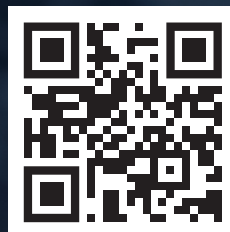
About SAX Power GmbH

SAX Power is an innovative company based in Erbach near Ulm. The team has developed a groundbreaking control system for battery storage that directly delivers alternating current (AC) from the battery, thereby solving many issues of conventional systems.

With this technology, home storage systems become safer, more efficient, compact and durable, resulting in improved cost-effectiveness.

The outstanding performance has already been recognized with several significant awards and defines a new generation of battery storage for households and businesses, with future applications also for machinery and vehicles.

The future of home storage begins now!



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SAX Power Home 5,8 kWh AC-battery storage with inverter function

MADE IN GERMANY





Maximum security

- No risk of fire or explosion
- LiFePO4 cells (lithium iron phosphate)
- 0.2 milliseconds shutdown time in the event of an error
- 18 Volt maximum voltage after shutdown



Simple installation

- Install the smartmeter
- Mount the unit on the wall
- Connect it to your home network
- Done!



Cost savings

- Save money on retrofitting - no need to upgrade to a hybrid inverter
- Use a cheap string inverter for your new PV system - we make hybrid inverters obsolete!
- High efficiency allows to use the most of your energy



Battery Monitoring

- Convenient monitoring via web app
- Data directly visible on the e-paper display of the battery



Lightweight, compact and modularly expandable

- Up to 30% smaller and lighter than conventional systems
- Expandable to 11,5 kWh and 17,3 kWh
- No time limit for capacity upgrades



Very high efficiency

- Extremely low energy loss during operation
- 99% efficiency during the conversion
- Standby consumption approx. 4 watts



Emergency power

- Automatic switchover to emergency power in the event of power outage
- Emergency or backup power possible
- Three battery units enable three-phase current



Long service life and environmentally friendly

- Sustainable utilisation of each battery cell thanks to rotating charge equalisation
- Intelligent control and optimization of the overall system
- Cobalt-free battery cells



German innovation

- Development, final assembly and quality inspection in Germany
- Winner of the Baden Württemberg Innovation Award 2022

Safer
More efficient
More durable

