

## SAX Power Home 5,8 kWh

### System data

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

### Operating data

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

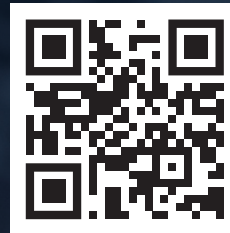
## About SAX Power GmbH

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**

