

 KÖNNER
SÖHNEN

ENERGY

DIMAX
GROUP





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DEAR CUSTOMERS AND PARTNERS,

Thank you for your trust and interest in **Könner & Söhnen®**.

We are proud to be a part of your work and everyday life — providing you with power when it matters the most.

Könner & Söhnen® began its journey in Germany more than twenty years ago as a manufacturer of reliable generators, earning a reputation as a partner known for precision, integrity, and long-lasting quality. Over time, we expanded our range to include garden equipment, giving customers access to proven **K&S** solutions not only in power supply, but wherever reliability is essential.

Our approach remains unchanged: innovation based on **tradition, high standards, and genuine care** for our customers. These principles define everything we create — from powerful diesel units to compact garden tools designed for comfort and durability.

We speak the language of our customers — both literally and figuratively. Our support team already operates in eight languages and continues to grow, and service centers are active in most European countries. In our offices and showrooms, specialists provide consultations and help select the right equipment — from home gardening to professional use in construction, agriculture, and municipal services.

Traditions of German Quality

is our DNA

— from kindergartens and care homes to animal shelters and fire stations. This is how we give back to the community — providing reliable energy that helps people and strengthens communities.

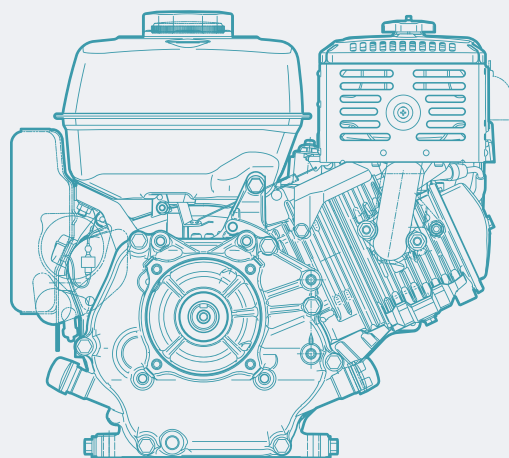
By choosing **Könner & Söhnen®**, you receive more than a product — you choose a partner who is always by your side: at work, at home, and in every situation where reliable equipment matters.

EXCLUSIVE ENGINES UNDER THE K&S BRAND

Könner & Söhnen® product is equipped with its own line of modern, high-efficiency engines, developed by German engineers specifically for **K&S**.

Every engine undergoes a full cycle of tests and inspections to ensure reliability, performance, and durability. Any potential issues are identified and eliminated already at the production stage — long before the equipment reaches the user.

We hold a license to manufacture **K&S** engines under our own brand, along with all certificates confirming compliance with strict European and **international standards, including the EURO 5 environmental standard**. This means our engines are not only powerful, but also fuel-efficient and environmentally safe.



KEY ADVANTAGES OF K&S ENGINES

- ✓ Guaranteed rated power
- ✓ Reinforced wear-resistant components
- ✓ Extended service life
- ✓ Multi-level factory testing
- ✓ Individual serial number for each engine
- ✓ In-house K&S development and engineering

Each engine installed in our generators or garden equipment has its own unique serial number. This ensures full traceability, strict quality control, and reliable service support throughout its entire service life.

COMPANY DEVELOPMENT HISTORY

2010-2014

Concept development.

Research and creation of our own engine for the gasoline generator series.

2014

3 countries

Registration of the trademark “Könner & Söhnen” and foundation of the DIMAX group of companies.

Release of the first gasoline generator models.

2015-2016

6 countries

Start of production of the garden equipment line (tillers, water pumps).

Expansion of sales geography.

2017-2018

10 countries

Addition of inverter and diesel generators to the product range.

Entry into the Romanian market.



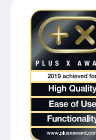
Received the prestigious “Golden Medal” award in the “Professionals’ Choice” category.

2019-2020

15 countries

Breakthrough in research and development. Adoption of new technologies and rapid expansion of sales geography.

Creation of the e-commerce department and start of sales through online platforms.



Received the prestigious German Plus X Award in three categories: High Quality, Ease of Use, and Functionality.

2021-2022

19 countries

Start of production of Energy category products using eco-friendly power sources — ESS, PPS.

Creation of a European warehouse network and efficient logistics.

Sales across Europe.



Winner of the German Brand Award 2022 in two categories. Foundation of the company in the USA and opening of representative offices in the UK and Spain.

2023

20+ countries

Structuring of the K&S Energy, K&S Garden, K&S Auto, and K&S Construction categories.

Strengthening research and development efforts within the K&S ENERGY direction.

Expansion of sales to the USA.



Forbes magazine awarded DIMAX International Poland Sp. z o.o. the title “Forbes Diamonds 2023” as one of the fastest-growing companies that pursued the right business strategy based on the results of 2022.

2024

25+ countries

Expansion of sales to the United Kingdom, the Netherlands, and Denmark.

In 2024, acquisition of a 10,000 m² land plot in Poland to create a central European hub — with office space, a showroom, a warehouse, and areas for assembly and production of products for the Polish and EU markets.

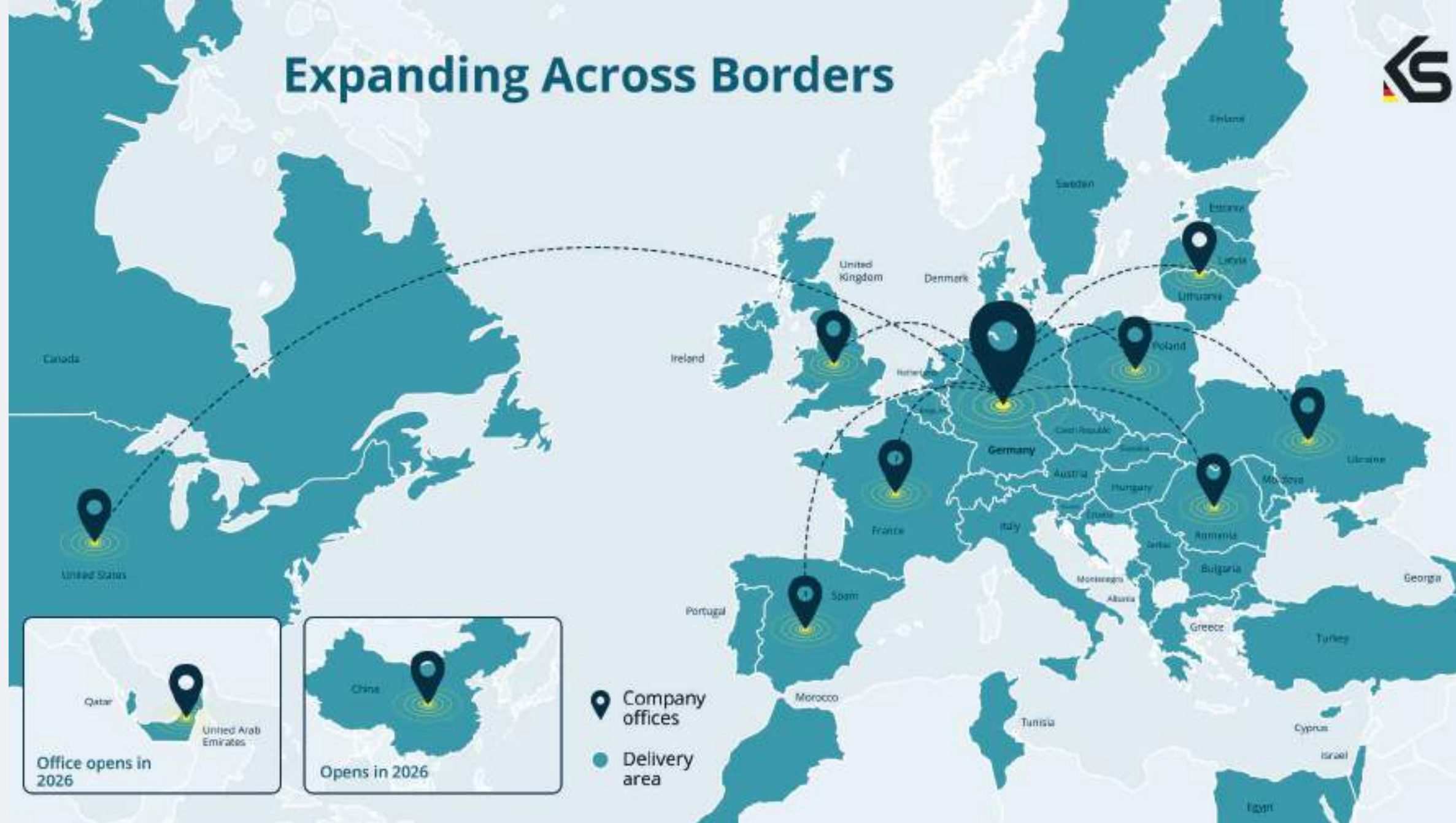
2025

30+ countries

Rapid expansion of the garden equipment range through the introduction of numerous new models, including a full line of battery-powered devices.

Signing of a licensing agreement with





KÖNNER & SÖHNEN® IN 2025

Könnner & Söhnen® products deliver power, durability, and precision across **Europe, the Middle East, Africa, and Latin America.**

From generators to garden equipment, every product is built to outperform competitors in quality while remaining affordable and easy to use.

More than 20 years have passed, but our mission remains the same: to continuously innovate to meet people's needs, and to serve with the care and integrity you expect from a trusted family-owned brand.



HEAD OFFICE:
DIMAX International GmbH
Flinger Broich 203, FortunaPark 40235 Düsseldorf,
Germany



THE MOST ADVANCED TECHNOLOGIES

Keeping pace with technological progress, **Könner & Söhnen®** continually updates its product range and introduces new developments that make our equipment not only more reliable, environmentally friendly, and economical to use, but also capable of meeting any customer need:



We care about the environment, which is why every **K&S** product line includes eco-friendly solutions that reduce the negative impact on nature.

“ECO-FRIENDLY” POWER SOURCES

✓ **Könner & Söhnen® balcony solar systems** are a modern solution for autonomous power supply, transforming your balcony into a source of clean and free solar energy.

✓ **Könner & Söhnen® portable power stations and solar panels** are next-generation eco-friendly energy sources. They produce no harmful emissions and provide power without damaging the environment.

COMPATIBILITY WITH “GREEN ENERGY”

✓ **Integration with green energy systems** (solar and wind power).

DC generators (24–54 V) or generators with a built-in ATS system can be connected to a solar inverter controller to automatically charge batteries and supply electricity to the home.

✓ **EURO 5** – generators based on branded K&S engines comply with the modern EURO 5 harmful emissions standard.

✓ **“DUAL FUEL”** – K&S dual-fuel models run on gasoline or gas (propane-butane). Gas is a cleaner fuel and reduces harmful emissions into the atmosphere, making generator operation more eco-friendly.

Innovative battery system for garden and construction tools
“ONE BATTERY = MANY TOOLS”

✓ **Battery-powered garden and construction tools** – are environmentally friendly devices that produce no harmful waste during operation and do not affect the environment or regional climate.

Using one battery for all tools reduces waste and eliminates the need to dispose of multiple different batteries, which also benefits the environment.

In addition, **Könner & Söhnen®** garden and construction equipment includes models powered by environmentally friendly electric motors.

QUALITY CONTROL AT EVERY STAGE OF PRODUCTION

All **Könner & Söhnen®** equipment is manufactured under the supervision of German engineers and undergoes testing at various stages of production.

Thanks to this, the percentage of service center claims is less than 1%.



INDUSTRY-LEADING EQUIPMENT

- ✓ Control of purchased spare parts for compliance with European requirements, quality and safety standards;
- ✓ Control at the stages of production and assembly of the equipment.



OWN SERVICE AND PRODUCTION CENTERS IN EUROPE

- ✓ Inspection of every finished batch before shipment from the factory;
- ✓ Inspection at our own service and production center in Europe before approval for sale.





QUALITY CERTIFICATES

Könnner & Söhnen® equipment has all necessary certificates of compliance with European and global quality standards, including the modern EURO 5 exhaust emission standard.



INTERNATIONAL AWARDS

We are proud that the quality and reliability of Könnner & Söhnen® equipment has been recognized by international experts and prestigious awards. Demanding and meticulous German experts in the field of technical innovations have thoroughly examined and tested our products and noted that the manufacturer of Könnner & Söhnen® equipment provides consumers with reliable products that stand out from mass-market alternatives. A number of exclusive innovative solutions and ease of use have also been highlighted.



FORBES DIAMONDS 2025

Poland • 2025

Forbes magazine awarded DIMAX International Poland Sp. z o.o. the title of **Forbes Diamonds 2025** — as one of the fastest-growing companies that chose the right development strategy and demonstrates stable growth. The company's strategy focuses on forming a wide product range with an emphasis on modern technologies and the creation of new exclusive solutions, as well as on efficient internal and external business processes — which made this success possible.



EXCELLENT BRANDS

Germany • 2022

In 2022, Könnner & Söhnen® equipment won the competition and received two German awards from **German Brand Award'22**:

- ✓ Excellent Brands - Industry, Machines & Engineering
- ✓ Excellent Brands - Product Brand of the Year

Among 1,200 applications from exclusively German brands, independent experts recognized Könnner & Söhnen® equipment in two Excellent Brand categories: "Industry, Machines & Engineering" and "Product of the Year." The evaluation criteria are transparent and publicly disclosed.



GOLDEN MEDAL

Poland • 2018

In 2018, Könnner & Söhnen® products received the prestigious **"Golden Medal" award in the "Professionals' Choice" category** in Poland.

Könnner & Söhnen® equipment was recognized by experienced European experts and industry professionals as matching the requirements of advanced technologies. This award confirms the high product quality and the strong manufacturing potential of Könnner & Söhnen®.



NAGRODA PLUS X

Germany • 2019

In 2019, Könnner & Söhnen® equipment won the prestigious German **Plus X Award** in three categories at once:

- ✓ High Quality
- ✓ Ease of Use
- ✓ Functionality

The **Plus X Award** is one of the world's largest awards confirming the quality and reliability of products. German experts confirmed that Könnner & Söhnen® products meet the highest quality standards and noted that the equipment is designed with the most demanding user requirements in mind.



BEST PRODUCT OF THE YEAR

Ukraine • 2016

In 2016, Könnner & Söhnen® products became the winner of the **"Ukrainian National Olympus"** award and were recognized as **"Best Product of the Year"** in the category of garden equipment and generators, based on the optimal price-to-quality ratio.

The Könnner & Söhnen® brand secured its niche in the mid-price segment, offering customers high-quality products with full European certification at an affordable, consumer-friendly price.

BUSINESS CHEETAHS

Poland • 2022

Dimax International Poland Sp. z o.o. (Poland) was awarded by the European Business Institute in the 17th **Business Cheetahs 2022** competition, the 15th Polish **Economy Diamonds 2022**, the 15th **Efficient Company 2022**, and the 10th **Strong Company 2022** competition. The **Strong Company 2022** competition is based on financial data from the National Court Register.

POLISH ECONOMY DIAMOND STATUETTE



STATUETTE GEPARD BIZNESU (Business Cheetah)



STATUETTE EFEKTYWNA FIRMA (Efficient Company)



STATUETTE MOCNA FIRMA GODNA (Strong, reliable company)



DIMAX International Poland Sp. z o.o. is developing rapidly — the average revenue and net profit growth for 2019–2020 reached 454.8%, earning the title of **Business Cheetah 2022**. It also operates efficiently — the average ratio of net profit to revenue in 2019 and 2020 reached 10.7%, giving it the title of **Efficient Company 2022**. Together, this awarded the company the title of **Strong, Reliable Company 2022**.

According to the European Business Institute, the market value of the company in March 2021 amounted to 61 million PLN, earning the title **Polish Economy Diamond 2022**.

K&S ENERGY

Könner & Söhnen – ENERGY line is not just backup power — it is a set of modern solutions for stable energy in any conditions.

With the widest product line in Europe — over 100 models — **K&S offers solutions for homes, businesses, industrial use, camping, and emergencies.** Our engineering innovations ensure high reliability, efficiency, and ease of use.

We implement eco-friendly technologies — **hybrid, gas, solar, and portable power systems that reduce emissions and help to save energy.**

Every product is created according to the traditions of German quality, with control at every stage of production. Our line includes:

- ✓ **Line of gasoline and gas-gasoline inverter generators,** which produce the cleanest possible power — in comparison with models that run on diesel fuel. These generators offer an increased engine service life while also providing fuel-saving functionality.
- ✓ **Gasoline, gas-gasoline, and diesel generators** — are reliable power units with capacities from 2.5 kW to 15.6 kVA, equipped with a wide range of additional functions.



- ✓ **Diesel power stations of the HEAVY DUTY series** are built on low-RPM 4-cylinder, water-cooled engines with power output from 16 to 1000 kVA.
- ✓ **Könner & Söhnen DC generators** are a professional solution for alternative power systems with 24/48 V batteries. These are not just generators, but full-scale charging units with automatic output current regulation. They provide efficient and safe battery charging in energy-independent systems for private homes, solar and wind complexes, telecommunications facilities, uninterruptible power supply systems, and other installations with large battery capacity.
- ✓ **Modern energy storage systems** — portable power stations and lithium iron phosphate batteries.
- ✓ **Unique multifunctional 4-in-1 power stations** that allow you to build a completely autonomous power supply system. They are an ideal solution for solar power plants, other backup systems, and uninterruptible power supply systems.
- ✓ **Lithium iron phosphate batteries** — the perfect solution for solar power plants, backup power systems, and uninterruptible power supply systems.
- ✓ **Latest power supply systems** — balcony solar systems.

All products in the Könner & Söhnen ENERGY category meet the highest international standards of quality and efficiency. This is modern equipment, proven over time and trusted by users in more than 20 European countries, known for stable and long-lasting operation.





When choosing a generator, the main task is selecting the correct power output. To choose properly, simply follow these 4 steps:

1

Prepare a list of all devices you need to power

2

Determine their power consumption

3

Calculate the total required power and add the starting (surge) power

4

Choose a generator that meets or exceeds your power requirement.

WHICH DEVICES SHOULD BE INCLUDED?



For home backup power: lighting, refrigerator, freezer, phone chargers, Wi-Fi router, TV, microwave oven or coffee maker, or a small heater.



For camping: a few lamps, a portable refrigerator, phone chargers, and a laptop.



For a workshop: specialized power tools (saw, drill, etc.) that may operate simultaneously.

NOTE

It is reasonable to distinguish essential items from luxury items; for example, during a power outage, it makes sense to avoid using a washing machine or stereo system in order to stay within the power limits of a smaller generator.

DEVICE POWER

Each electrical device has a rated power, usually indicated in watts (or sometimes in amperes — if amperes are indicated, multiply them by the voltage, ~230 V in Europe, to get watts).

These ratings are usually found on the device label or in the manual. For example, the device may say “Rated power 100 W” or “0.434 A at 230 V” (which equals ~100 W).

Some typical household appliances:

LED light bulb	3–10 W
Laptop	20–100 W
Refrigerator	(starting at 1200 W) 120–150 W
Microwave oven	800–1500 W
Kettle	1500–2200 W
Heater	1000–2000 W
Pump	600–1500 W
TV	(for modern LCD displays) 60–250 W
Desktop computer	300–400 W
Coffee maker	500–700 W
Fan	100 W
Smartphone charger	5–100 W

IMPORTANT

Important: some devices have a power range (for example, “500–700 W” for a coffee maker) — in this case, use the higher value for safety. This step is critical, because everything depends on making a reasonable estimate of your power needs.

STARTING POWER

Many devices (refrigerators, pumps, power tools — those equipped with electric motors) consume 2–7 times more energy when starting up than during normal operation. This is called starting power.

For example, a refrigerator with a running power of 200 W may require up to 1200 W at startup. To select the correct generator, include this surge: add the highest starting power of one device to the total running power. This helps to avoid overload when equipment starts.

Generators have running power and peak (starting) power — specifically to withstand short load spikes.

How to calculate: add the total running watts of your devices + the highest starting power.

EXAMPLE

If the total running load is 1000 W, and the air conditioner has a starting surge of 1800 W, you need a generator of at least 2800 W.



TOTAL POWER

Calculate the total power of all devices that will run simultaneously, and add the starting power of the most demanding appliance. This is the minimum generator power you need.

It is recommended to choose a model with about 20% of additional reserve, as the generator should not operate at 100% load constantly to avoid premature wear. The recommended operating range is up to 80% of the rated power.

EXAMPLE

If your calculations show 2800 W, it is better to choose a 3.5 kW generator to have reserve capacity for additional devices and a longer service life.



Articles and markings

i Inverter technology	S Silent casing	E Electric start	DC Direct current	G/H Gas (LPG)/ Hybrid	SP Solar Panel
MI Microinverter	PS Power Station	EXB External Battery	LB Lithium Battery	ATS In-built ATS	ATSR ATS Ready
1/3 VTS Switch	HD Heavy Duty	D Diesel	DB Distribution Box	M Metal Housing	

	Euro 5	Könnert & Söhnen® engines comply with the EURO 5 ecological standard and all European quality standards. They stand out for their power, reliability, and efficiency.
	LPG	LPG/gasoline generators of the DUAL FUEL series from Könnert & Söhnen®. The generator can run on either gasoline or liquefied gas (propane-butane).
	Eco Mode	The generator engine has an Economy Mode that reduces fuel consumption by up to 50% and allows the generator to operate at low RPM.
	APP control	Mobile device control capability
	SMART BMS (Battery Management System)	A multi-level protection system. This system uses a special computer and sensors to monitor and regulate battery operation. The sensors check temperature, current, battery capacity, and more. The main task of the system is to ensure safe battery use, stable performance, and extended battery life.
	Water cooling	Water cooling. The main advantage of water-cooled engines is the efficient removal of a greater amount of heat, which helps extend the service life of the generator unit.
	Silent	Super Silent series models with minimal noise level provide maximum user comfort. Minimum noise level LpA (7 m) — 66 dB

	MPPT support	Maximum Power Point Tracking is a smart control that constantly monitors and finds the point of maximum power in your solar system. This means that even with changes in light and temperature, you will receive the maximum energy from each solar cell.
	Automatic Transfer Switch (in-build)	The generator is equipped with an Automatic Transfer Switch (ATS) system. The built-in automation module allows the generator to monitor the presence of power from the external grid and automatically switch on in case of a power outage, then automatically switch off when power is restored — without any user intervention.
	Automatic Transfer Switch Ready	A generator with the ability to connect an ATS (Automatic Transfer Switch) system. The unit automatically starts the generator and switches the load to it when the main power source fails, and automatically stops the generator when central power supply is restored.
	Voltage Transfer Switch	VTS system. The generator can be used in both 3-phase mode (400 V) and single-phase mode (230 V) with almost no power loss.
		LiFePO4 batteries are safer than Li-ion batteries, as they are less prone to overheating and combustion. In addition, LiFePO4 batteries are more resistant to extreme temperatures and can operate within a wider temperature range than some Li-ion batteries. Use renewable energy sources to contribute to environmental protection.
		The generator is equipped with a system that monitors all key operating parameters: protection against overload, short circuit, and low oil level. Corresponding indicators are located on the generator panel.
	LED-display	Multi-function display
	Pure Sine Wave	Devices marked with this symbol produce a stable output voltage of 230 V / 50 Hz with a correct sinusoidal waveform, suitable for reliable operation of sensitive electronics such as computers, printers, medical equipment, and more.
	Transport Kit	Convenient transportation
	Copper Alternator Winding	Most of our generators are equipped with alternators with copper winding, capable of withstanding maximum loads without overheating or damage. This ensures stable and long-lasting operation even under intensive use. In models KS 2900, KS 2900G, KS 5000E G, an aluminum winding is used — an optimal solution for household needs without compromising performance quality.
	Parallel Connection	Cables for parallel connection are included in the set.



DC GENERATORS

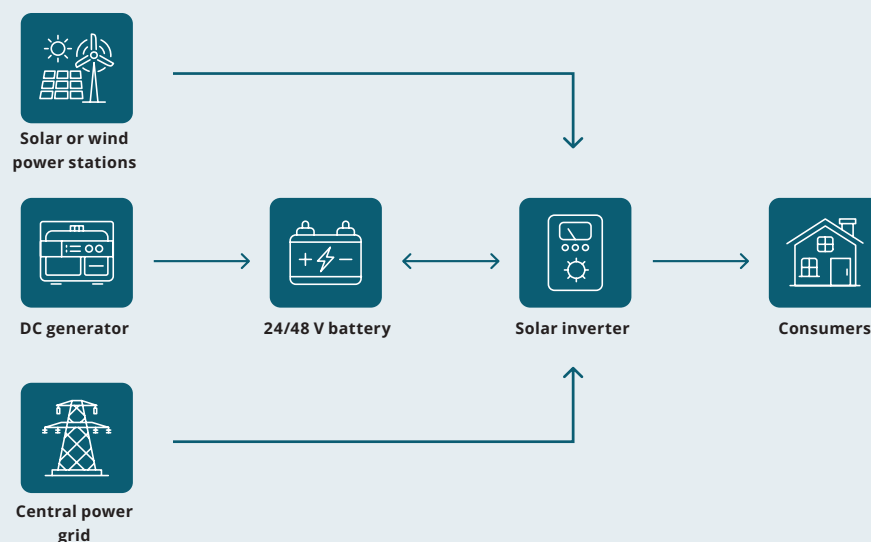


Direct current generators are designed as an additional energy source for power supply and energy storage systems that use batteries.

These generators connect directly to a low-voltage **24V/48V** bus and provide up to 3.2 kW of additional power for charging the batteries.

They are ideal for use in solar and wind systems, telecom centers, server rooms, construction equipment, and backup power systems. You get uninterrupted, efficient power for your home or business, even when the grid is down for an extended period.

These generators can be integrated with various systems. They connect to the battery directly, which greatly simplifies installation.



A SMART SOLUTION FOR MODERN POWER SYSTEMS AND BATTERY CHARGING

✓ MAXIMUM EFFICIENCY

Charging occurs without intermediate power conversions, so energy losses are minimal and efficiency is higher than with conventional generators. A **DC generator** supplies the required direct current, whereas **AC generators** need additional charging devices to charge batteries.

✓ FAST CHARGING

Significantly faster than systems with a conventional generator. The charging power is equivalent to a **7–8 kW** AC generator or ten solar panels on a sunny summer day.

✓ EXTERNAL CONTACTS

The ability to control the generator using “dry contacts” greatly expands integration options with existing power systems.

✓ AUTO MODE

The generator switches on and off automatically as needed, monitoring the battery charge level. Everything operates automatically — no constant supervision required.

✓ SAFE OPERATION

Works **without dangerous high voltage (230 V)**, so there is no risk of electric shock. Absolutely safe for the user.



Convenient wheels ensure easy movement and transportation.



A 6-meter cable with a fuse is included with the generators.





KS 24VS-DC



Maximum current	60 A
Voltage	24-27 V
Start type	manual/automatic
Fuel type	gasoline
Net dimensions (L×W×H)	500×285×460 mm
Net weight	19 kg
EAN code	4 260405 368297



KS 48VS-DC

Maximum current	60 A
Voltage	50-55 V
Start type	manual/automatic/ external
Fuel type	gasoline
Net dimensions (L×W×H)	620×440×510 mm
Net weight	40 kg
EAN code	4 260405 365845



KS 24VGS-DC



Maximum current	50 A
Voltage	24-27 V
Start type	manual/automatic
Fuel type	gasoline/gas
Net dimensions (L×W×H)	500×285×460 mm
Net weight	19 kg
EAN code	4 260405 368303



KS 48VGS-DC

Maximum current	50 A
Voltage	50-55 V
Start type	manual/automatic/ external
Fuel type	gasoline/LPG
Net dimensions (L×W×H)	715×490×595 mm
Net weight	38.5 kg
EAN code	4 260405 365838



KS 24VM-DC



Maximum current	60 A
Voltage	24-27 V
Start type	manual/automatic
Fuel type	gasoline
Net dimensions (L×W×H)	520×330×540 mm
Net weight	27.5 kg
EAN code	4 260405 368426

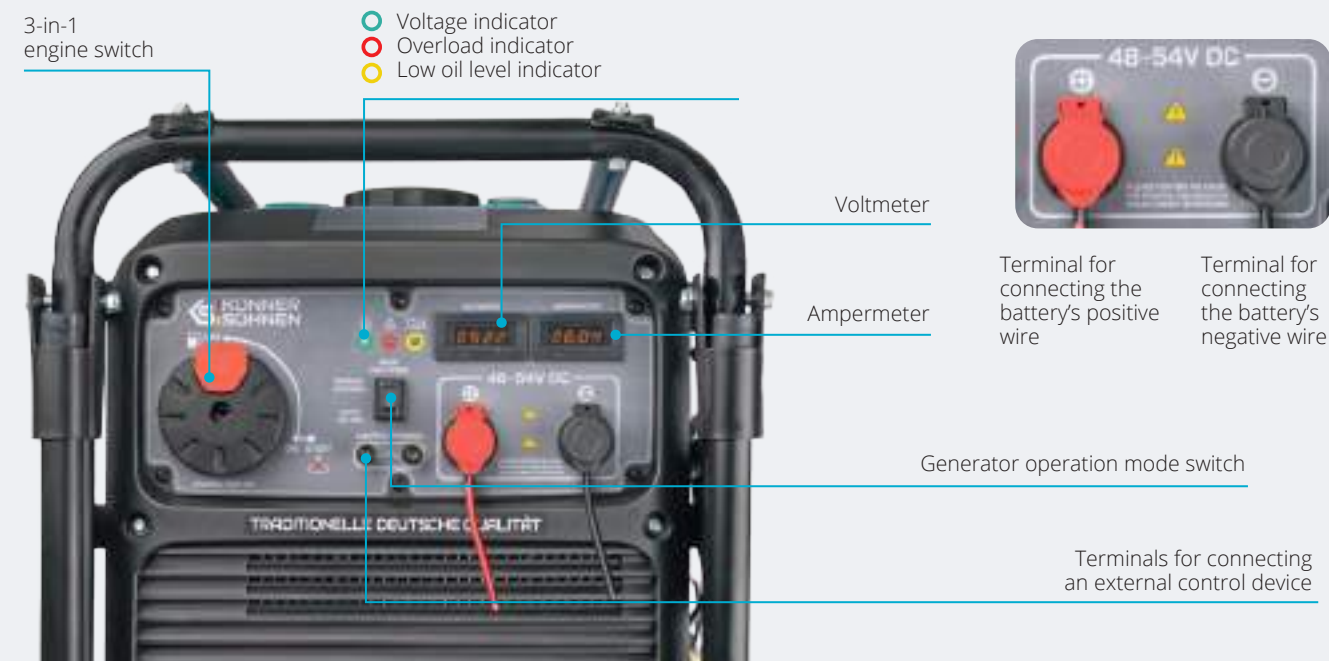


KS 48V-DC

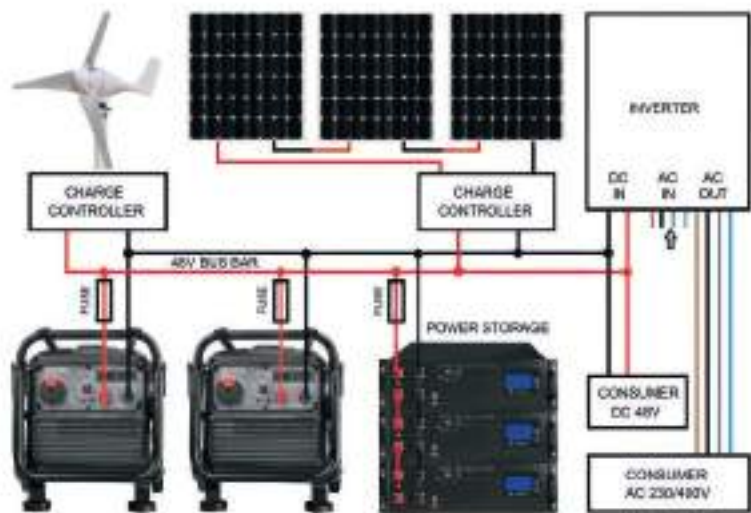


Maximum current	60 A
Voltage	50-55 V
Start type	manual/automatic/ external
Fuel type	gasoline
Net dimensions (L×W×H)	510×525×310 mm
Net weight	36.5 kg
EAN code	4 260405 365814





The generators are equipped with a system that monitors all key operating parameters: protection against overload, short circuit, and low oil level. Corresponding indicators are located on the generator control panel.



INNOVATIVE KNOW HOW

DC generators can be easily combined with the KS 3000PS and KS 5200PS power stations into an autonomous Tandem energy system. Learn more on pages 32–37.



KS 24VM-DC



KS 24VS-DC



KS 24 VGS-DC

Voltage, V	24–27		
Rated power, kW	1.6	1.6	1.4
Maximum current, A	60	60	50
Fuel tank capacity, L	8	5	5
LED display	voltage, amperage		
Noise level, LpA (7 m) / LwA, dB	69/93	62/87	62/87
Engine type	gasoline 4-stroke	gasoline 4-stroke	gasoline/gas 4-stroke
Engine power, HP	2.5		
Engine displacement, cm ³	79.7		
Start type	automatic, manual		
Protection class	IP23M		
Net dimensions, mm	520×330×540	500×285×460	500×285×460
Net weight, kg	27.5	21	21
EAN code	4 260405 368426	4 260405 368297	4 260405 368303



KS 48V-DC



KS 48VS-DC



KS 48VGS-DC

Voltage, V	50–55		
Rated power, kW	3.3		
Maximum current, A	60	60	50
Fuel tank capacity, L	12.5	12	12
LED display	voltage, ammeter, operating status indicators		
Noise level, LpA (7 m) / LwA, dB	70/95	71/96	71/96
Engine type	4-stroke gasoline, air-cooled	4-stroke, gasoline	Gasoline/LPG, 4-stroke
Engine power, HP	7.5		
Engine displacement, cm ³	223		
Start type	manual / automatic / external		
Protection class	IP23M		
Net dimensions, mm	695×445×445	715×490×595	715×490×595
Net weight, kg	36.5	38,5	39
EAN code	4 260405 365814	4 260405 365845	4 260405 365838



BALCONY SOLAR SYSTEMS



A balcony solar system from Könnér & Söhnen® is a smart solution for saving electricity and efficient use of the sunlight. The system operates when central power is available, converting solar energy into electricity for your household or commercial needs. It automatically regulates energy storage and consumption according to the time of day and your settings. Turn your balcony into a compact power plant — receive clean, free energy every day.



Battery capacity
2240 Wh



Number of charge/
discharge cycles
≤ 6000 cycles*



For the balcony
solar system
2xMC4 in, 2xMC4 out.



Charging and energy
consumption control
via mobile app

INTELLIGENT ENERGY STORAGE SYSTEM

Balcony solar systems from Könnér & Söhnen® are built on an intelligent battery unit with high-quality LiFePO4 batteries, efficient solar panels, and an 800 W microinverter. Thanks to the battery units, you can use stored solar energy in the evening or on cloudy days, receiving stable power even when there is not enough sunlight.

- ✓ Up to 800 W of power
- ✓ Cost saving
- ✓ 10+ years of daily use
- ✓ Easy installation

DC photovoltaic MC4 outputs

Power button with status indicator

Wi-Fi and
Bluetooth
indicator

"Warning"
indicator

Battery charge
indicator

PV MC4
photovoltaic inputs

REMOTE CONTROL

The device supports remote control via the Power Zero mobile app. In real time, you can monitor, control, and adjust energy production and storage — anywhere with an internet connection. The energy management system allows you to configure operating modes according to your needs.

Connection is available via Bluetooth or Wi-Fi for Android and iOS devices.



*at 80% DOD, 0.2C charge and discharge, 25°C±2°C

**MICROINVERTER** (single-phase inverter)**KS MI800W**

Maximum DC input voltage	60 V
DC input operating voltage range	25–55 V
Maximum input current	2×13 A
AC operating voltage range	230 V
Rated output current (AC)	3.5 A
Maximum apparent output power	800 VA
Rated output power	800 W
Rated AC frequency	50/60 Hz
Ambient temperature	-20°C ~ +65°C
Maximum efficiency	96.5%
Protection class	Class I
Ingress protection	IP67
Gross dimensions (L×W×H)	440×286×68 mm
Net/gross weight	3/4.4 kg
EAN code	4 260405 367283



- ✓ Maximum Power Point Tracking (MPPT)
- ✓ High efficiency up to 96.5%
- ✓ Built-in monitoring via Wi-Fi
- ✓ Improved heat dissipation
- ✓ Easy installation, simple operation

SOLAR PHOTOVOLTAIC PANEL (set of 2 solar panels 430 W)**KS SP430-HC**

Maximum power (Pmax)	2×430 W
Conversion efficiency	22%
Maximum power voltage (Vmp)	31.88 V
Maximum power current (Imp)	13.49 A
Open-circuit voltage (Voc)	38.49 V
Short-circuit current (Isc)	14.23 A
Maximum system voltage	1500 V
Rated fuse current	25 A
Fire resistance class	Class C
PV module classification	Class A
Allowed tolerance for Pmax/Voc/Isc	±3%
Gross dimensions (L×W×H)	1722×1134×60 mm
Net/gross weight (2 pcs)	44.5/46.5 kg
EAN code	4 260405 367290



22% Efficiency coefficient

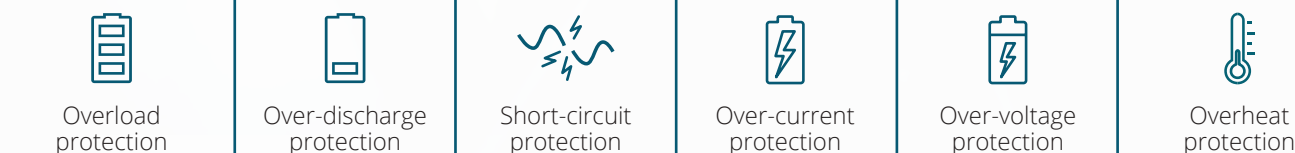
- ✓ Half-Cell type – doubled number of cells
- ✓ TOPCon N-type technology
- ✓ Monocrystalline silicon module

*Tested at STC 1000 W/m²; AM 1.5; and cell temperature 25°C

MOUNTING BRACKETS FOR SOLAR PANELS KS BSP2
(set of brackets for 2 panels)

The set provides convenient and safe installation of solar panels according to your home conditions:

- ✓ Vertical or horizontal placement – choose the optimal angle for the best performance.
- ✓ Balcony installation – allows the panels to be positioned at the correct angle to the sun for maximum efficiency.
- ✓ Outside-balcony installation – the panels are nearly invisible, while the balcony space remains free.



The Könnert & Söhnen® microinverter supports connecting two battery units simultaneously, which allows you to increase the amount of stored solar energy and improve the system's autonomy.

2 INDEPENDENT INPUTS

Battery units have 2 independent inputs for connecting solar panels, with an MPPT controller in each. They allow you to extract maximum energy from each panel individually.

2 INDEPENDENT OUTPUTS

They also have 2 independent outputs of up to 400 W each, which ensures correct operation with the microinverter and allows various power supply configurations.

KS 2240BSB

Capacity	2240 Wh (50 Ah / 44.8 V)
Cell type	Lithium iron phosphate (LiFePO4) batteries
Number of charge/discharge cycles	≤ 6000 cycles (80% DOD)*
PV input MC4×2	12–59 V / 8.47 A, 2×500 W max
DC output MC4×2	42–50.4 V / 9.52 A, 2×400 W max
Wireless	BT5.2 + Wi-Fi 2.4G
Operating temperature range	-10°C to +50°C
Net dimensions (L×W×H)	350×175×295 mm
Net weight	18.7 kg
Protection class	IP65
EAN code	4 260405 366996





Portable chargers

PORTABLE CHARGERS



Portable power stations by **Könner & Söhnen®** are a modern, safe, and eco-friendly source of energy. They operate **without noise, emissions, or harmful carbon monoxide**, so they can be safely used at home, in an apartment, or close to people and animals. If combined with solar panels, you get completely **clean, renewable energy** — **no waste, no harm to the environment**, with the ability to charge devices anywhere using the power of the sun.

YOUR PERSONAL ENERGY RESERVE WITH KÖNNER & SÖHNEN®



The KS 1200PS and KS 2400PS models are equipped with a fast-charging LiFePO4 system — full charge in 2 hours.



All Könner & Söhnen® power stations support fast charging of smartphones and laptops using Power Delivery and Quick Charge 3.0 technologies.



No harmful emissions. The stations operate quietly, without CO, and do not harm the environment.

Portable power stations from **Könner & Söhnen®** provide power to electronic and household devices in any circumstances — while traveling or without access to the grid. Equipped with **USB, DC, and AC outputs**, they allow you to charge laptops, phones, drones, lighting, and other equipment. The stations are built on high-capacity LiFePO4 batteries, which offer compact size, stability, and double the recharge lifespan of standard lithium-ion batteries.

TRADITIONELLE
DEUTSCHE
QUALITÄT



AC input

Overload protection

XT60 input connectors

LED display switch

LED display

AC outputs

Type-C PD outputs (100 W)

USB-A QC 3.0 outputs

DC 12 V outputs

DC cigarette lighter output

Starting from the KS 300PS model


Pure sine wave
for sensitive devices


Rated power
300 – 2400 W


Battery capacity
294 – 2240 Wh


Output ports for
connecting 6–11 devices

The **quiet portable power station** will be a reliable source of energy during power outages and an indispensable assistant during leisure.

On a camping trip, while fishing or hunting, you will be able to charge your devices and use lighting without noise or exhaust fumes, maintaining comfort in any conditions.



- ✓ Internal/external battery power
- ✓ High-capacity LiFePO4 battery

- ✓ LCD screen
- ✓ Energy storage function



KS 300PS



Rated/Peak power	300 W / 500 W (20 ms)
Battery capacity	23 Ah
AC outlet	230 V / 50 Hz
USB-A QC 3.0 port	2×18 W
Net dimensions (L×W×H)	340×105×185 mm
Net weight	4.3 kg
EAN code	4 260405 365890



KS 500PS



Rated/Peak power	500 W / 1000 W (20 ms)
Battery capacity	35 Ah
AC outlet	230 V / 50 Hz
USB-A QC 3.0 port	2×18 W
Net dimensions (L×W×H)	340×105×185 mm
Net weight	4.9 kg
EAN code	4 260405 366934



KS 1200PS



Rated/Peak power	1200 W / 2400 W (20 ms)
Battery capacity	23 Ah / 1030 Wh, 3.2 V
AC outlet	2×230 V / 50 Hz
USB-A QC 3.0 port	PD 100 W / PD 45 W
Net dimensions (L×W×H)	340×220×254 mm
Net weight	12.4 kg
EAN code	4 260405 366941



KS 2400PS



Rated/Peak power	2400 W / 4800 W (20 ms)
Battery capacity	50 Ah
AC outlet	4×230 V / 50 Hz
USB-A QC 3.0 port	2×18 W
Net dimensions (L×W×H)	409×299×307 mm
Net weight	25.9 kg
EAN code	4 260405 366989



PORTABLE
CHARGERS

KS 300PS

KS 500PS

KS 1200PS

KS 2400PS

BATTERY PACK				
Capacity	294 Wh	448 Wh	1030 Wh	2240 Wh
Cell type	Lithium iron phosphate (LiFePO4) batteries			
Battery capacity	23 Ah	35 Ah	23 Ah	50 Ah
Number of cells	4 pcs	4 pcs	14 pcs	14 pcs
Single-cell voltage	3.2 V	3.2 V	3.2 V	3.2 V
Lifecycle	4000 cycles ≥ 80% of lifetime			
AC OUTPUT				
AC outlet	230 V / 50 Hz		2×230 V / 50 Hz	4×230 V / 50 Hz
Rated power	300 W	500 W	1200 W	2400 W
Peak power	500 W (20 ms)	1000 W (20 ms)	2400 W (20 ms)	4800 W (20 ms)
Conversion efficiency	≥92%	≥92%	≥92%	≥92%
DC OUTPUT				
Type-C port	Type-C1: PD 100 W		Type-C1: PD 100 W, Type-C2: PD 45 W	
USB-A port	2×USB-A QC 3.0 18 W			
Car cigarette lighter socket	12 V / 10 A	12 V / 10 A	12 V / 10 A	12 V / 10 A
DC-5525 port	12 V / 10 A	12 V / 10 A	2×12 V / 10 A	2×12 V / 10 A
INPUT				
Charging via DC7909 adapter from 0 to 100%	Adapter 100 W 20 V / 5 A	Adapter 100 W 20 V / 5 A	-	-
Charging via AC outlet from 0 to 100%	-	-	1000 Wh approx. 2 hours to full charge	2000 Wh approx. 2 hours to full charge
Charging via PV MPPT solar module	DC 7909, Max. 120 W	DC 7909, Max. 120 W	XT60 Max. 800 W	XT60 Max. 800 W
Charging via XT60 connector	-	-	12-59 V Max. 800 W	2×12-59 V Max. 500 W
Connector for additional battery connection	-	-	-	2 units
LED flashlight	+	+	-	-
Bluetooth	Bluetooth 5.0			
App control	+	+	+	+
Net dimensions (L×W×H)	340×105×185 mm	340×105×185 mm	340×220×254 mm	409×299×307 mm
Net weight	4.3 kg	4.9 kg	12.4 kg	25.9 kg
Gross weight	5.8 kg	6.6 kg	13.4 kg	28.6 kg
Operating temperature range	from -10 °C to +40 °C			
Charging temperature	from -10 °C to +40 °C			
EAN code	4 260405 365890	4 260405 366934	4 260405 366941	4 260405 366989

ADDITIONAL BATTERY FOR PORTABLE POWER STATION

KS EXB-2400



Rated power	2400 W
Battery capacity	50 Ah / 2240 Wh, 44.8 V
Net dimensions (L×W×H)	409×299×192 mm
Net weight	19.7 kg
EAN code	4 260405 366958





PORTABLE POWER STATIONS 4-in-1



Powerful portable power stations by Könnér & Söhnen® are more than just charging stations — they are the smart hub of your energy independence.

This hub, with a multifunctional hybrid power station at its center, combines all available power sources — the grid, solar energy, external battery, or DC generator — and manages them automatically. You get uninterrupted, efficient power for your devices, even when the grid is down for an extended period.

POSSIBLE VARIATIONS OF CONNECTION:



DC Generator + Station



Battery + Station



Station + Station

✓ UPS FUNCTION – UNINTERRUPTIBLE POWER SUPPLY

An uninterruptible power supply (UPS) automatically switches to backup power during a grid failure. These stations have a much larger energy reserve than standard UPS systems.

✓ COMPREHENSIVE PROTECTION SYSTEM – SMART BMS

SMART BMS (Battery Management System) is a multi-level battery monitoring system. It controls charge level, temperature, charging speed, and capacity — optimizing the process to extend battery life and ensure safe operation.



ADVANTAGES OF PORTABLE POWER STATIONS BY KÖNNER & SÖHNEN®



K&S TANDEM SYSTEM

The tandem system, consisting of a **DC generator + KS3000 PS or 5200 PS**, allows the DC generator to start only when the battery is discharged, keeping things quiet and the air clean while the energy stored in the battery is being used. This helps save fuel — the generator doesn't run idle when your energy consumption drops temporarily, and all unused power goes toward charging the batteries.

And when using a combination of DC generator + power station + solar panels, the generator will be needed only in exceptional cases, as long as there is enough solar energy. Just as importantly, the system will operate fully automatically, supplying the site with continuous power.

Scalable power – add extra batteries or a second station to extend runtime.



Together, the station and generator form a smart hybrid system that maintains your energy balance without any user intervention.

Protection and reliability – the UPS function (< 10 ms) ensures the safety of electronics, cash registers, and servers. Low-voltage line connection provides additional user safety.

IDEAL SOLUTION FOR:



Small business owners – during power outages, cash registers, lighting, and refrigerators continue operating without interruption.



Professionals working remotely (home office, IT, freelancers) — when the power goes out, the computer, internet, and monitor keep running.



Homeowners who want peace of mind — the lights stay on, the refrigerator keeps running, and the home stays warm even during outages.



Families in regions with frequent outages – even if the power goes out often, the home stays powered — lighting, heating, and appliances can operate autonomously.



Eco-conscious consumers – the system prioritizes clean solar energy, stores it in LiFePO4 batteries, and activates the generator only as a last resort.



KS 2500PS



Rated power	2500 W
Battery capacity	2560 Wh (100 Ah)
PV INPUT	
Maximum charging current	60 A
Maximum charging power	1.6 kW
MPPT voltage range from solar panels	30–128 V (DC)
AC INPUT	
Rated input voltage	230 V ± 5% (AC)
Maximum charging current	60 A
USB output	4 x USB Type A (5 V), 1 x USB Type C
AC output	3 x Schuko 230 V
DC output	2 x DC 12 V
Gross dimensions (L×W×H)	485x420x356 mm
Net weight	31 kg
EAN code	4 260405 367993



- ✓ Maximum protection level
- ✓ Uninterruptible Power Supply (UPS)
- ✓ Quiet operation

KS 3000PS



Rated power	3000 W
Battery capacity	3200 Wh (120 Ah)
PV INPUT	
Maximum charging current	60 A (±3 A)
Maximum charging power	1.6 kW
MPPT voltage range from solar panels	30~128 V (DC)
AC INPUT	
Rated input voltage	230 V ± 5% (AC)
Maximum charging current	60 A
USB output	4 x USB Type A (5 V), 1 x USB Type C
AC output	4 x Schuko 230 V
DC output	2 x DC 12 V
Gross dimensions (L×W×H)	550×380×670 mm
Net weight	37 kg
EAN code	4 260405 366880



MULTI-LEVEL PROTECTION AGAINST:

- ✓ Overcurrent
- ✓ Overcharge
- ✓ Overdischarge
- ✓ Overheating
- ✓ Short circuit

KS 5200PS

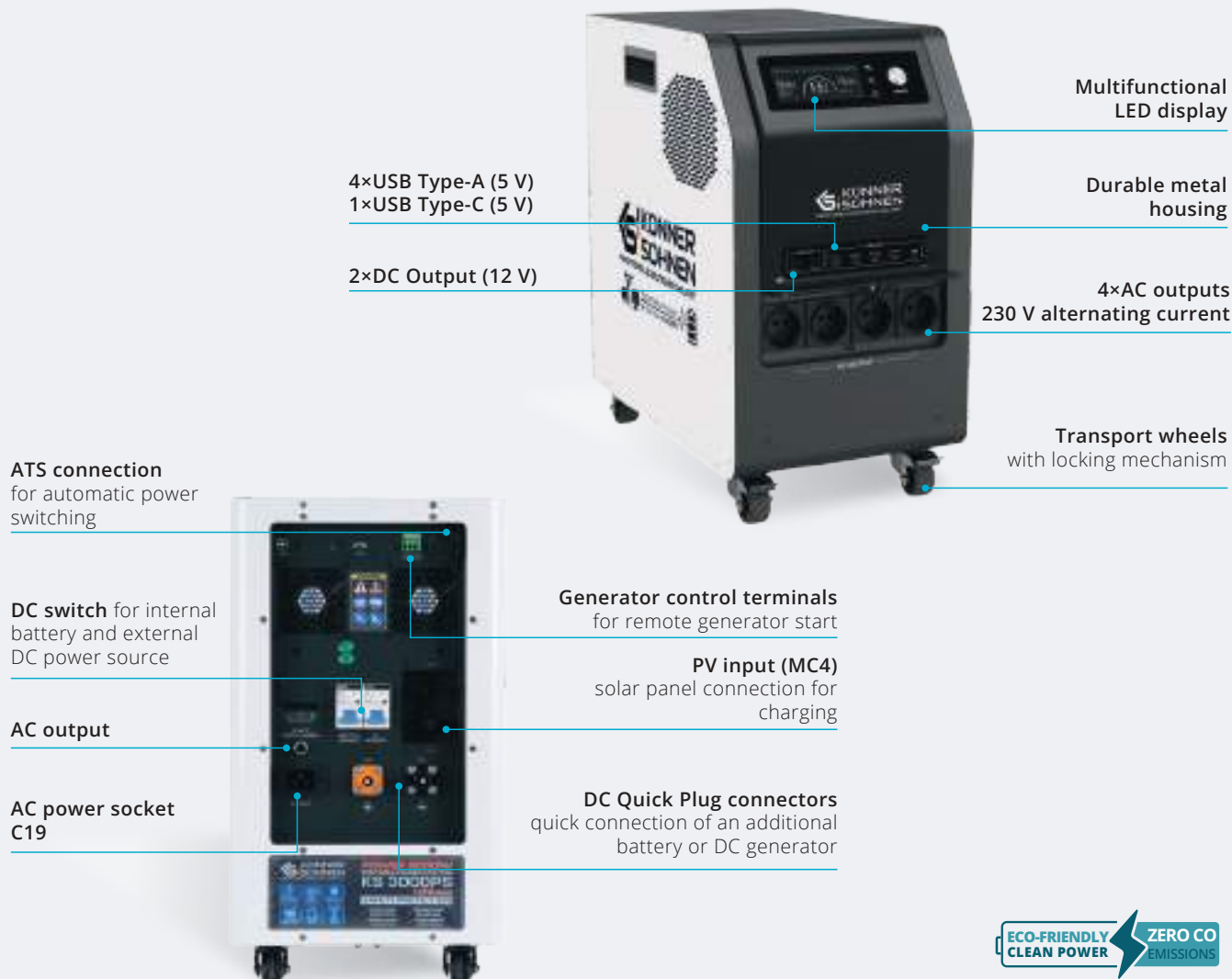


Rated power	5200 W
Battery capacity	5120 Wh (100 Ah)
PV INPUT	
Maximum charging current	100 A (±3 A)
Maximum charging power	5 kW
MPPT voltage range from solar panels	150~430 V (DC)
AC INPUT	
Rated input voltage	230 V ± 5% (AC)
Maximum charging current	80 A
USB output	4 x USB Type A (5 V), 1 x USB Type C
AC output	4 x Schuko 230 V
DC output	2 x DC 12 V
Gross dimensions (L×W×H)	599×404×682 mm
Net weight	58 kg
EAN code	4 260405 368006



MULTI-LEVEL PROTECTION AGAINST:

- ✓ Overcurrent
- ✓ Overcharge
- ✓ Overdischarge
- ✓ Overheating
- ✓ Short circuit





PORTABLE CHARGERS

KS 2500PS

KS 3000PS

KS 5200PS

Rated power	2500 W	3000 W	5200 W
Battery capacity	2560 Wh (100 Ah)	3200 Wh (120 Ah)	5120 Wh (100 Ah)
Battery type	Lithium iron phosphate (LiFePO4) batteries		
Nominal voltage	25.6 V (DC)	25.6 V (DC)	51.2 V (DC)
Output waveform	pure sine wave		
AC output voltage	230 V	230 V	230 V
Nominal battery input voltage	25.6 V (DC)	25.6 V (DC)	51.2 V (DC)
Efficiency	90%	90%	90%
PV INPUT			
Maximum current	60 A	60 A	100 A
MPP converter efficiency	max. 98%		
Maximum open-circuit voltage from solar panels	145 V (DC)	160 V (DC)	450 V (DC)
MPPT voltage range from solar panels	30~128 V (DC)	30~128 V (DC)	150~430 V (DC)
AC INPUT			
Maximum charging current	60 A	60 A	80 A
Nominal input voltage	230 V ± 5% (AC)	230 V ± 5% (AC)	230 V ± 5% (AC)
Input voltage range	90-280 V (AC)	90-280 V (AC)	90-280 V (AC)
Frequency range	50 Hz		
Transfer time	10 (UPS, VDE); 20 (APL)		
DC output	3 × Schuko 230 V / 50 Hz	4 × Schuko 230 V / 50 Hz	4 × Schuko 230 V / 50 Hz
USB output	4 × USB Type A (5 V), 1 × USB Type C (5 V)		
Low-voltage DC bus connection port	-	24 V	48 V
Gross dimensions (L×W×H)	485x420x356 mm	550x380x670 mm	599x404x682 mm
Net weight	31 kg	37 kg	58 kg
Gross weight	33 kg	43 kg	72 kg
EAN code	4 260405 367993	4 260405 366880	4 260405 368006





LiFePO4 battery packs

LiFePO4 BATTERY PACKS



Modern and reliable **LiFePO4 batteries by Könnor & Söhnen®** deliver an impressive 6,000 charge-discharge cycles — equivalent to **over 15 years of daily use**.

Equipped with a **multi-level protection system** (including overheat and short-circuit protection), they are non-combustible, which makes them exceptionally safe to use.



✓ HIGH POWER OUTPUT

Compared to conventional lead-acid batteries, LiFePO4 batteries can handle significantly higher charge and discharge currents.

✓ HIGH CAPACITY AND ENERGY DENSITY

LiFePO4 technology ensures long-lasting capacity retention while offering high energy density — allowing more energy to be stored in a compact size.

✓ THE SAFEST BATTERY TYPE

Equipped with multi-level protection across all key parameters, these batteries are resistant to overloads, overvoltage, and overheating — ensuring safety even under critical conditions.

✓ LONG LIFESPAN

Capable of withstanding an impressive number of charge-discharge cycles, with a service life of up to 15 years.

✓ FLEXIBLE INSTALLATION

Can be mounted vertically on a wall or placed horizontally on a trolley — saving space and offering convenient setup options based on your needs.

TRADITIONELLE
DEUTSCHE
QUALITÄT



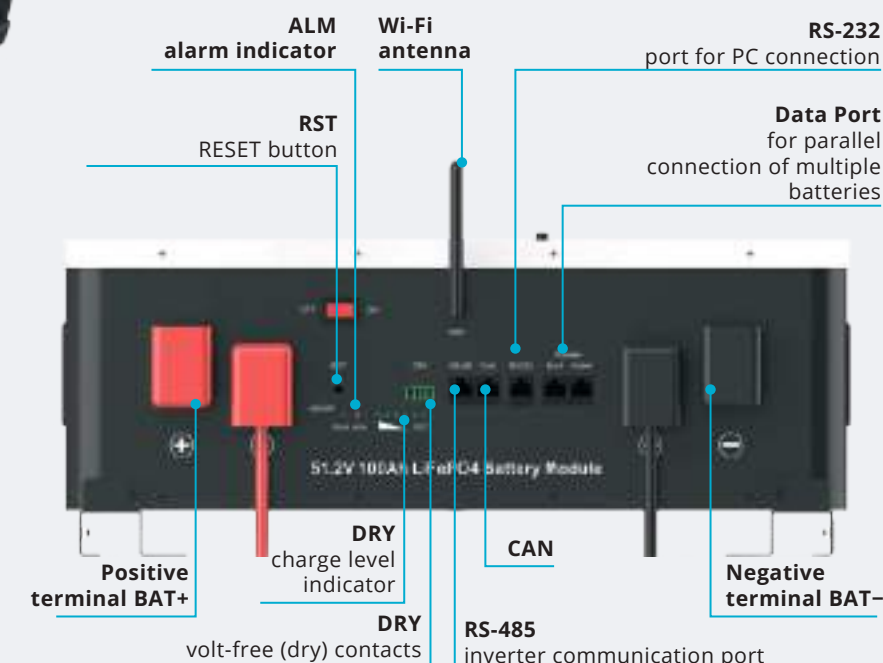
High-strength metal housing



The LCD display shows key operating parameters of the battery, helping to configure and monitor its performance

SET INCLUDES:

- ✓ Communication cable for inverter connection
- ✓ Communication cable for computer connection
- ✓ Mounting kit (mounting bracket and anchor bolts)
- ✓ Ring terminals for 8 mm bolt for power cable
- ✓ Wi-Fi antenna



THE MODULAR DESIGN ALLOWS FOR SIGNIFICANTLY INCREASING CAPACITY BY ADDING ADDITIONAL BATTERIES



Wi-Fi

For connecting to a smartphone and remote system control and status monitoring via the app



up to 15 modules

in parallel connection



Communication ports RS485, CAN, RS232

for connection to inverters and to a PC



LCD Display

for setting and monitoring the main operating parameters of the battery pack



SMART BMS (Battery Management System)

multi-level protection system

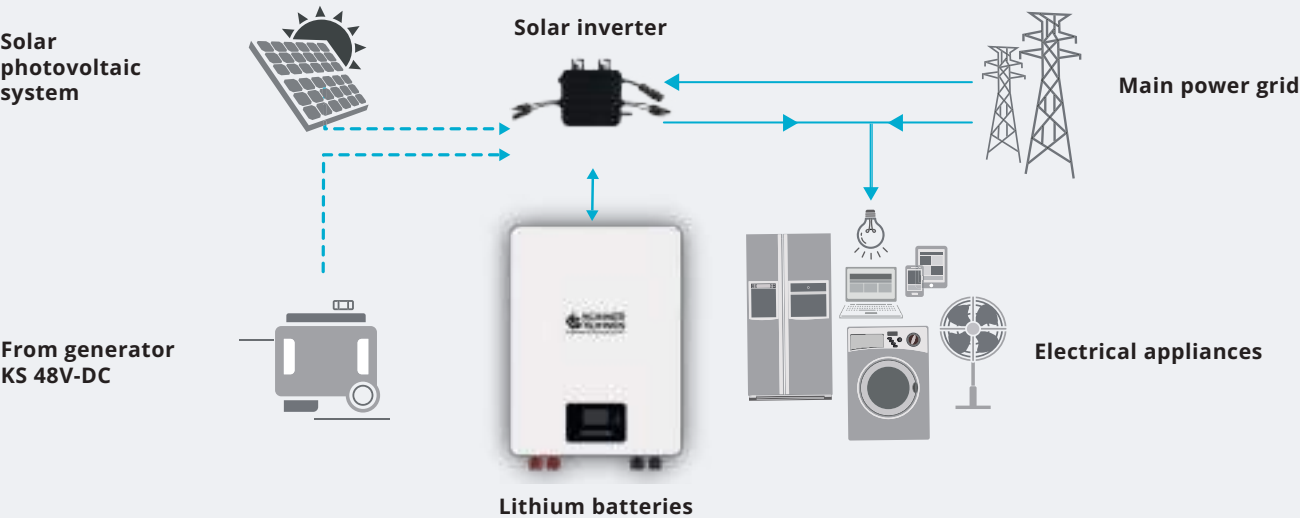




CONNECTION DIAGRAM

Store energy in three different ways:

- ✓ from solar panels
- ✓ from the central power grid
- ✓ as well as from a DC generator (more details on pages 14–19)



KS LB 24-100



Nominal voltage	25.6 V
Battery capacity	2560 Wh (100 Ah)
Voltage range	21.6 – 29.2 V
Recommended charge/discharge current	50 A (0.5C)
Maximum charge/discharge current	100 A (1C)
Protection class	IP21
Dimensions (L×W×H)	557×547×227 mm
Net weight	27 kg
EAN code	4 260405 368013



KS LB 48-100



Nominal voltage	51.2 V
Battery capacity	5120 Wh (100 Ah)
Voltage range	43.2 – 58.4 V
Recommended charge/discharge current	50 A (0.5C)
Maximum charge/discharge current	100 A (1C)
Protection class	IP21
Dimensions (L×W×H)	700×569×327 mm
Net weight	45 kg
EAN code	4 260405 368020



LiFePO4
BATTERY PACKS

KS LB 24-100

KS LB 48-100

Nominal voltage	25.6 V	51.2 V
Battery capacity	2560 Wh (100 Ah)	5120 Wh (100 Ah)
AC output voltage	230 V	230 V
Operating voltage range	21.6 – 29.2 V	43.2 – 58.4 V
Maximum charging voltage	29.2 V	58.4 V
Recommended charging current	50 A (0.5C)	50 A (0.5C)
Maximum charging current	100 A (1C)	100 A (1C)
Recommended discharging current	50 A (0.5C)	50 A (0.5C)
Maximum discharging current	100 A (1C)	100 A (1C)
Communication	RS-485 / RS-232 / CAN-bus	RS-485 / RS-232 / CAN-bus
Depth of discharge (DOD)	95%	95%
Operating temperature	0 °C to 45 °C (charging) -10 °C to 45 °C (discharging)	0 °C to 45 °C (charging) -10 °C to 45 °C (discharging)
Storage temperature	0 °C to 35 °C	0 °C to 35 °C
Protection class	IP21	IP21
Humidity	5–95% (relative)	5–95% (relative)
Maximum operating altitude	max. 4000 m a.s.l.	max. 4000 m a.s.l.
Dimensions (L×W×H)	557×547×227 mm	700×569×327 mm
Net weight	27 kg	45 kg
EAN code	4 260405 368013	4 260405 368020

STANDS FOR LITHIUM BATTERIES

Stand on four wheels, specially designed for installation and easy transportation of heavy lithium batteries.



- ✓ Easily moves up to 5 batteries

KS TROLLEY 24

KS TROLLEY 48

Suitable for	KS LB 24-100	KS LB 48-100
Dimensions (L×W×H)	484×427×120 mm	640×487×142 mm
EAN code	4 260405 368037	4 260405 368044



GASOLINE GENERATORS



Generator power
2.6 kW–12.5 kW



Voltage
230 V/400 V



Start type
manual / electric



Engine power
6.5–18 hp

Könner & Söhnen® gasoline generators are reliable equipment with German roots and modern technology, combining quality, efficiency, and affordability.

The range includes models from **2.5 kW to 15.6 kW** — with manual, electric, or automatic start, for single-phase and three-phase grids.

All generators are equipped with an **LED display**, **overload protection**, and an **automatic low-oil shutdown system**.

Könner & Söhnen® generators meet high global quality standards and **EURO 5 environmental regulations**, remaining a reliable backup power source for homes, businesses, or industrial facilities.



RELIABLE BRANDED ENGINES

Könner & Söhnen® engines are reliable, powerful, and fuel-efficient, meeting **European quality standards**. Each engine bears the **K&S** branded stamp and a unique serial number, allowing us to maintain strict control over manufacturing quality and after-sales service.



DUAL ANTI-VIBRATION SYSTEM

All Könner & Söhnen® generators are equipped with a **dual anti-vibration system** that reduces noise and extends the service life of the equipment. The engine is mounted on rubber dampers, while the reinforced steel frame with rubber supports further absorbs vibrations, prevents slipping, and protects against corrosion.





KS 2900



Maximum power	2.9 kW
Rated power	2.5 kW
Voltage	230 V
Start type	manual
Sockets	2×16 A
Net dimensions (L×W×H)	580×430×440 mm
Net weight	41.5 kg
EAN code	4 260405 364961



KS 3000



Maximum power	3.0 kW
Rated power	2.6 kW
Voltage	230 V
Starting type	manual
Sockets	2×16 A
Net dimensions (L×W×H)	580×430×440 mm
Net weight	41.5 kg
EAN code	4 260405 361083



KS 3000E



Maximum power	3.0 kW
Rated power	2.6 kW
Voltage	230 V
Starting type	manual/electric
Sockets	2×16 A
Net dimensions (L×W×H)	580×430×440 mm
Net weight	46.1 kg
EAN code	4 260405 361090



KS 7000



Maximum power	5.5 kW
Rated power	5.0 kW
Voltage	230 V
Starting type	manual
Sockets	1×16 A, 1×32 A
Net dimensions (L×W×H)	680×545×550 mm
Net weight	69.2 kg
EAN code	4 260405 361076



KS 7000E



Maximum power	5.5 kW
Rated power	5.0 kW
Voltage	230 V
Start type	manual/electric
Sockets	1×16A, 1×32A
Net dimensions (L×W×H)	680×545×550 mm
Net weight	76.2 kg
EAN code	4 260405 361120



KS 7000E-3



Maximum power	5.5 kW
Rated power	5.0 kW
Voltage	400 V
Start type	manual/electric
Sockets	1×16A (230 V), 1×16A (400 V)
Net dimensions (L×W×H)	680×545×550 mm
Net weight	80.8 kg
EAN code	4 260405 361151



KS 10000E



Maximum power	8.0 kW
Rated power	7.5 kW
Voltage	230 V
Start type	manual/electric
Sockets	1×16A, 1×32A
Net dimensions (L×W×H)	680×545×550 mm
Net weight	85.5 kg
EAN code	4 260405 361168



KS 10000E-3

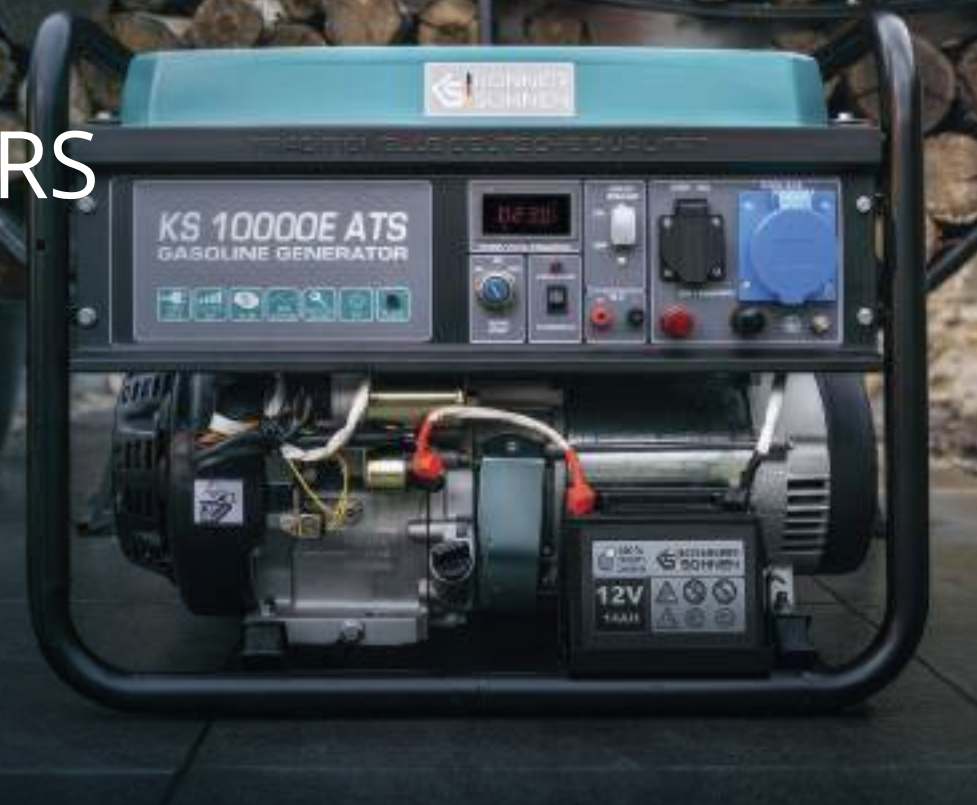


Maximum power	8.0 kW
Rated power	7.5 kW
Voltage	400 V
Start type	manual/electric
Sockets	1×16A (230 V), 1×16A (400 V)
Net dimensions (L×W×H)	680×545×550 mm
Net weight	88 kg
EAN code	4 260405 361182





GASOLINE GENERATORS WITH ATS SYSTEM



Generator power
5.0 kW–8.0 kW



Voltage
230 V/400 V



Starting type
Manual / electric /
automatic



Engine power
13-18 hp



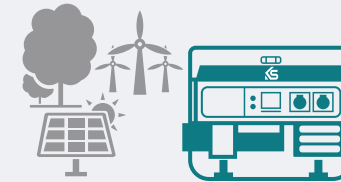
Könnert & Söhnen® generators are equipped with a built-in **Automatic Transfer Switch (ATS)** module that independently detects a power outage — **automatically starting the generator** and shutting it down once grid power is restored. This solution is ideal for protecting critical standalone equipment where uninterrupted power is essential. The function requires no additional devices or complex installation — the **ATS unit is fully integrated into the generator**, providing convenience, reliability, and affordability.

SWITCHING CONTACTORS

Reliable switching contactors made of 100% copper have an increased capacity of 40 A, ensuring long-term uninterrupted operation of the ATS system.



COMPATIBILITY WITH GREEN ENERGY



Könnert & Söhnen® generators with a **built-in ATS system** are compatible with solar and wind energy systems.

They can be connected to a **solar inverter**, automatically starting to charge the batteries and ensuring uninterrupted power supply to the facility even in the absence of sun or wind.



LED display:
hour meter, frequency, voltage

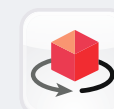
Built-in ATS system
(automatic transfer switch)

Automatic circuit breaker.
Protection against overloads and short circuits

Sockets for external power
supply connection



Powerful and reliable EURO 5 engine
by Könnert & Söhnen®



**VIEW
3D PREVIEW**



**VIEW
GENERATOR IN
ACTION VIDEO**





KS 7000E ATS



Maximum power	5.5 kW
Rated power	5.0 kW
Voltage	230 V
Starting type	manual/electric/auto
Sockets	1×16A, 1×32A
Net dimensions (L×W×H)	680×545×550 mm
Net weight	76.8 kg
EAN code	4 260405 361137



KS 7000E-3 ATS



Maximum power	5.5 kW
Rated power	5.0 kW
Voltage	400 V
Starting type	manual/electric/auto
Sockets	1×16A (230 V), 1×16A (400 V)
Net dimensions (L×W×H)	680×545×550 mm
Net weight	82.3 kg
EAN code	4 260405 361632



KS 10000E ATS



Maximum power	8.0 kW
Rated power	7.5 kW
Voltage	230 V
Starting type	manual / electric / auto
Sockets	1×16A, 1×32A
Net dimensions (L×W×H)	680×545×550 mm
Net weight	87.8 kg
EAN code	4 260405 361175



KS 10000E-3 ATS



Maximum power	8.0 kW
Rated power	7.5 kW
Voltage	400 V
Starting type	manual / electric / auto
Sockets	1×16A (230 V), 1×16A (400 V)
Net dimensions (L×W×H)	680×545×550 mm
Net weight	89.2 kg
EAN code	4 260405 361700



*KS 10000E series models (single-phase) can be connected to a welding inverter with a maximum current of up to 200 A, provided the welding inverter has an 85% efficiency and an arc voltage of 25 V.
**Possibility to connect the generator to a solar inverter.





GASOLINE GENERATORS WITH VTS SYSTEM



KS 7000E-1/3



Max/Nominal power, 230 V	5.5/5.0 kW
Max/Nominal power, 400 V	5.5/5.0 kW
Voltage	230 V / 400 V
Starting type	manual/electric
Sockets	1×16A (400 V) 1×32A (230 V)
Net dimensions (L×W×H)	680x545x550 mm
Net weight	81 kg
EAN code	4 260405 362264



KS 10000E-1/3



Max/Nominal power, 230 V	8.0/7.5 kW
Max/Nominal power, 400 V	8.0/7.5 kW
Voltage	230 V / 400 V
Starting type	Manual / Electric
Sockets	1×16A (400 V) 1×32A (230 V)
Net dimensions (L×W×H)	680x545x550 mm
Net weight	88 kg
EAN code	4 260405 361601



Generator power
5.0 kW–8.0 kW



Voltage
230 V/400 V



Starting type
Manual/Electric



Engine power
13–18 hp



UNIVERSAL 2-IN-1 GENERATORS — SINGLE- AND THREE-PHASE MODELS.

Könnert & Söhne® generators with the **unique VTS** (Voltage Transfer System) deliver equal power output in both **230 V and 400 V modes** — eliminating the need to buy two separate generators. **Switching between phases** takes just a few seconds without stopping the engine. Simply select the desired mode, activate the breakers, and the generator is ready to work.



SYNCHRONOUS ALTERNATOR

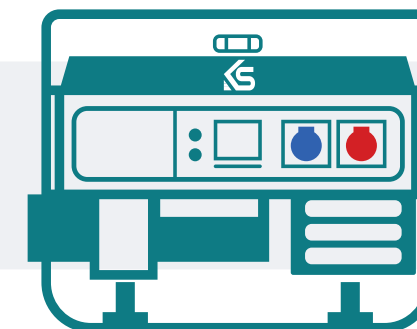
Synchronous-type alternator with a **built-in intelligent AVR (Automatic Voltage Regulator)** system, specially designed for operation in both single-phase and three-phase modes. High-quality construction and copper winding ensure the ability to withstand prolonged peak loads.

VTS phase switching system

Operation in single-phase (230 V) or three-phase mode (400 V) without power loss



230V



400V





SINGLE- AND TWIN-CYLINDER GASOLINE GENERATORS



Generator power
8.0 kW-15.6 kW



Voltage
230 V / 400 V



Starting type
Manual/Electric



Engine power
18.5-22 hp

The series includes **single- and twin-cylinder models** with power ranging from **8.0 kW to 15.6 kVA**, featuring a socket for **Automatic Transfer Switch (ATS)** systems.

Thanks to **VTS (Voltage Transfer System) technology**, certain models can operate in both single-phase (230 V) and three-phase (400 V) modes without power loss. All models are equipped with **EURO 5 standard engines**.

The ergonomic control panel with an LED display shows frequency, voltage, engine hours, and low oil level. A reinforced **Ø32 mm frame** with transport kit, **built-in circuit breakers**, **emergency stop button**, and **55 L fuel tank** ensure reliability, continuous operation, and user convenience. The anti-corrosion electrostatic coating protects the housing from damage and extends service life.



8.0 kW - 15.6 kVA
POWERFUL 2-CYLINDER ENGINE



KS 12-1E ATSR



Maximum power	9.2 kW
Rated power	9.0 kW
Voltage	230 V
Starting type	manual/electric
Sockets	1×63 A, 1×32 A, 1×16 A
Net dimensions (L×W×H)	790×705×680 mm
Net weight	120 kg
EAN code	4 260405 363414



KS 12-1E 1/3 ATSR



Max/Nominal power, 230 V	8.2/8.0 kW
Max/Nominal power, 400 V	11.5/11.25 kVA
Voltage	230 V / 400 V
Starting type	manual/electric
Sockets	1×32A (400 V), 1×32A (230 V), 1×16A (230 V)
Net dimensions (L×W×H)	790×705×680 mm
Net weight	120 kg
EAN code	4 260405 363421



KS 15-1E ATSR



Maximum power	12.5 kW
Rated power	12.0 kW
Voltage	230 V
Starting type	electric
Sockets	1×63 A, 1×32 A, 1×16 A
Net dimensions (L×W×H)	780×705×680 mm
Net weight	155 kg
EAN code	4 260405 363438



KS 15-1E 1/3 ATSR



Max/Nominal power, 230 V	11.5/11.0 kW
Max/Nominal power, 400 V	15.6/15.0 kVA
Voltage	230 V / 400 V
Starting type	electric
Sockets	1×32A (400 V), 1×63A (230 V)
Net dimensions (L×W×H)	780×705×680 mm
Net weight	155 kg
EAN code	4 260405 363445





AUTOMATIC TRANSFER SWITCH UNITS

The unit is compatible with single-phase and three-phase networks, operates in **automatic or manual mode**, and features a **“Summer/Winter” function**.

The **ATS automatically starts the generator** when power is lost and shuts it down once electricity is restored.

KS ATS 4/32-12



Power	14 kW (230 V) / 21 kW (400 V)
Voltage	230 V / 400 V
Current (Max.) 230 V	64 A
Current (Max.) 400 V	32 A
Net dimensions (L×W×H)	220×150×370 mm
Net weight	5.5 kg
EAN code	4 260405 363650

Compatible with models KS 12-1E ATSR and KS 12-1E 1/3 ATSR.



KS ATS 4/32-15



Power	14 kW (230 V) / 21 kW (400 V)
Voltage	230 V / 400 V
Current (Max.) 230 V	64 A
Current (Max.) 400 V	32 A
Net dimensions (L×W×H)	220×150×370 mm
Net weight	5.5 kg
EAN code	4 260405 363667

Compatible with models KS 15-1E ATSR and KS 15-1E 1/3 ATSR.



	KS 12-1E ATSR	KS 12-1E 1/3 ATSR		KS 15-1E ATSR	KS 15-1E 1/3 ATSR	
Voltage, V	230	230	400	230	230	400
Maximum power	9.2 kW	8.2 kW	11.5 kVA	12.5 kW	11.5 kW	15.6 kVA
Rated power	9.0 kW	8.0 kW	11.25 kVA	12.0 kW	11.0 kW	15.0 kVA
Frequency, Hz	50	50		50	50	
Maximum current, A	40	35	17	53	48	22
Sockets	1x63A (230 V) 1x32A (230 V) 1x32A (230 V)	1x32A (400 V) 1x32A (230 V) 1x16A (230 V)		1x63A (230 V) 1x32A (230 V) 1x16A (230 V)	1x63A (230 V) 1x32A (400 V)	
LED display	Hour meter, frequency, voltage, low oil level indicator					
Noise level LpA (7 m)/ LwA, dB	74/97	74/97		73/96	73/96	
12V output, A	+	+		+	+	
Engine model	KS 650	KS 650		KS 780	KS 780	
Engine type	Single-cylinder gasoline, 4-stroke, air-cooled			Twin-cylinder gasoline, 4-stroke, air-cooled		
Engine power, hp/kW	18.5/13.6	18.5/13.6		22.0/16.18	22.0/16.18	
Oil sump capacity, L	1.4	1.4		1.5	1.5	
Engine displacement, cm³	625	625		750	750	
Voltage regulator	Intelligent AVR system					
Starting type	Manual/Electric	Manual/Electric		Electric	Electric	
Power factor, cos φ	1.0 (230 V)	1.0 (230 V)	0.8 (400 V)	1.0 (230 V)	1.0 (230 V)	0.8 (400 V)
Battery, A·h	21			36		
ATS connection capability (8-pin connector)	+	+		+	+	
Net dimensions (L×W×H), mm	790x705x680	790x705x680		780x705x680	780x705x680	
Gross dimensions (L×W×H), mm	800x715x780	800x715x780		807x715x905	807x715x905	
Net weight, kg	120	120		155	155	
Gross weight, kg	136	136		170	170	
Protection class	IP23M					
EAN code	4 260405 363414	4 260405 363421		4 260405 363438	4 260405 363445	



LPG/GASOLINE GENERATORS



Könnner & Söhnen® DUAL FUEL series generators operate on both gasoline and liquefied gas (propane-butane). The set includes everything needed to connect the gas cylinder — built-in regulator, an additional regulator on the hose, and a 1.5 m gas hose.

Operating on gas reduces harmful emissions, lowers fuel costs, ensures cleaner combustion, and extends engine service life. Switching between fuel types is instant and simple: just connect the cylinder and start the engine. The K&S 4-stroke air-cooled engine guarantees stable and reliable operation in any conditions.



ENHANCED ENGINE EFFICIENCY

When running on liquefied gas, the engine operates more quietly and with reduced vibrations, ensuring stable generator performance and extending engine lifespan.



✓ Start without gasoline

Könnner & Söhnen® DUAL FUEL generators can start and operate directly on gas — no need to add gasoline to the tank.

✓ Easy connection

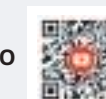
Simply attach the hose to the gas cylinder, and the generator is ready to operate.

✓ Cleaner gas operation

Gas fuel reduces noise, odor, and emissions, allowing the generator to be safely used closer to residential areas.

✓ Fuel flexibility

Can operate on either gasoline or gas (LPG). Gas is cheaper, stores longer, and retains its properties, which is especially useful during extended power outages or fuel shortages.

VIEW 3D
OVERVIEWWATCH
GENERATOR VIDEO
IN OPERATION



KS 2900G



Maximum power	2.9 kW
Rated power	2.5 kW
Voltage	230 V
Starting type	Manual
Sockets	2×16 A
Net dimensions (L×W×H)	580×430×440 mm
Net weight	43 kg
EAN code	4 260405 364978



KS 9000E G



Maximum power	6.5 kW
Rated power	6.0 kW
Voltage	230 V
Starting type	Manual/Electric
Sockets	1×16 A, 1×32 A
Net dimensions (L×W×H)	680×545×550 mm
Net weight	81 kg
EAN code	4 260405 365005



KS 3000G



Maximum power	3.0 kW
Rated power	2.6 kW
Voltage	230 V
Starting type	Manual
Sockets	2×16 A
Net dimensions (L×W×H)	580×430×440 mm
Net weight	45.4 kg
EAN code	4 260405 361106



KS 10000E G



Maximum power	8.0 kW
Rated power	7.5 kW
Voltage	230 V
Starting type	Manual/Electric
Sockets	1×16 A, 1×32 A
Net dimensions (L×W×H)	680×545×550 mm
Net weight	86.5 kg
EAN code	4 260405 363131



KS 5000E G



Maximum power	4.5 kW
Rated power	4.0 kW
Voltage	230 V
Starting type	Manual/Electric
Sockets	2×16 A
Net dimensions (L×W×H)	680×545×550 mm
Net weight	77 kg
EAN code	4 260405 364992



KS 7000E G



Maximum power	5.5 kW
Rated power	5.0 kW
Voltage	230 V
Starting type	Manual/Electric
Sockets	1×16 A, 1×32 A
Net dimensions (L×W×H)	680×545×550 mm
Net weight	77.2 kg
EAN code	4 260405 361144





	KS 2900	KS 2900G	KS 3000	KS 3000E	KS 3000G
Voltage, V	230	230	230	230	230
Maximum power, kW	2.9	2.9	3.0	3.0	3.0
Rated power, kW	2.5	2.5	2.6	2.6	2.6
Frequency, Hz	50	50	50	50	50
Maximum current, A	12.5	12.5	13.04	13.04	13.04
Outlets	2x16A	2x16A	2x16A	2x16A	2x16A
Fuel tank capacity, L	15	15	15	15	15
Operating time at 50% load*, h	15	15	15	15	15
LED display	Hour meter, frequency, voltage				
Noise level Lpa (7 m)/ Lwa, dB	68/93	68/93	68/93	68/93	68/93
12V output, A	12/8.3	12/8.3	12/8.3	12/8.3	12/8.3
Engine model	KS 200	KS 200	KS 210	KS 210	KS 210
Engine type	1-cylinder gasoline, 4-stroke with air cooling	1-cylinder gasoline/gas, 4-stroke with air cooling	1-cylinder gasoline, 4-stroke with air cooling		1-cylinder gasoline/gas, 4-stroke, with air cooling
Engine power, hp/kW	6.5/4.78	6.5/4.78	7.0/5.15	7.0/5.15	7.0/5.15
Oil sump capacity, L	0.6	0.6	0.6	0.6	0.6
Engine displacement, cm³	196	196	208	208	208
Voltage regulator	Intelligent AVR system				
Alternator winding	Aluminum	Aluminum	Copper	Copper	Copper
Starting type	Manual	Manual	Manual	Manual/Electric	Manual
Power factor, cos φ	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)
Net dimensions (L×W×H), mm	580x430x440	580x430x440	580x430x440	580x430x440	580x430x440
Gross dimensions (L×W×H), mm	610x455x485	610x455x485	610x455x485	610x455x485	610x455x485
Net weight, kg	41.5	43	41.5	46.1	45.4
Gross weight, kg	43.6	47.5	43.6	47.1	47.5
Protection class	IP23M				
EAN code	4 260405 364961	4 260405 364978	4 260405 361083	4 260405 361090	4 260405 361106

Models KS 2900, KS 2900G, and KS 5000E G use an aluminum alternator winding.

**Fuel consumption depends on various factors such as load, fuel quality, season, altitude, and the technical condition of the generator.*



	KS 5000E G	KS 7000	KS 7000E	KS 7000E-3	KS 7000E ATS
Voltage, V	230	230	230	400	230
Maximum power, kW	4.5	5.5	5.5	5.5	5.5
Rated power, kW	4.0	5.0	5.0	5.0	5.0
Frequency, Hz	50	50	50	50	50
Max current, A	19.5	23.91	23.91	13.04	23.91
Sockets	2x16A	1x16A, 1x32A	1x16A, 1x32A	1x16A (230 V) 1x16A (400 V)	1x16A, 1x32A
Fuel tank capacity, L	25	25	25	25	25
Operating time at 50% load*, h	17	17	17	17	17
LED display	Hour meter, frequency, voltage				
Noise level Lpa (7 m)/Lwa, dB	70/95	70/95	70/95	70/95	70/95
12V output, A	12/8.3	12/8.3	12/8.3	12/8.3	12/8.3
Engine model	KS 390	KS 390	KS 390	KS 390	KS 390
Engine type	1-cylinder gasoline/gas, 4-stroke with air cooling	1-cylinder gasoline, 4-stroke with air cooling			
Engine power, hp/kW	13.0/9.56	13.0/9.56	13.0/9.56	13.0/9.56	13.0/9.56
Oil sump capacity, L	1.1	1.1	1.1	1.1	1.1
Engine displacement, cm³	389	389	389	389	389
Voltage regulator	Intelligent AVR system				
Starting type	Manual/ electric	Manual	Manual/ electric	Manual/ electric	Manual/ electric/auto
Alternator winding	Aluminum	Copper	Copper	Copper	Copper
Power factor, cos φ	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)	0.8 (400 V)	1.0 (230 V)
Net dimensions (L×W×H), mm	680x545x550	680x545x550	680x545x550	680x545x550	680x545x550
Gross dimensions (L×W×H), mm	700x545x590	700x545x590	700x545x590	700x545x590	700x545x590
Net weight, kg	77	69.2	76.2	80.8	76.8
Gross weight, kg	79.6	71.6	78.6	83.2	78.8
Protection class	IP23M				
EAN code	4 260405 364992	4 260405 361076	4 260405 361120	4 260405 361151	4 260405 361137

The KS 2900, KS 2900G, and KS 5000E G models use an alternator with an aluminum winding.

**Fuel consumption depends on many factors, such as load, fuel quality, season, altitude above sea level, and the technical condition of the generator.*



	KS 7000E-3 ATS	KS 7000E-1/3	KS 7000E G	KS 9000E G	KS 10000E
Voltage, V	400	230	400	230	230
Maximum power, kW	5.5	5.5	5.5	6.5	8.0
Rated power, kW	5.0	5.0	5.0	6.0	7.5
Frequency, Hz	50	50	50	50	50
Maximum current, A	9.93	23.91	9.93	23.91	34.78
Sockets	1x16A (230 V) 1x16A (400 V)	1x16A (400 V) 1x32A (230 V)	1x16A, 1x32A	1x16A, 1x32A	1x16A, 1x32A
Fuel tank capacity, L	25	25	25	25	25
Operating time at 50% load*, h	17	17	17	15	15
LED display	Hour meter, frequency, voltage				
Noise level Lpa (7 m)/Lwa, dB	70/95	70/95	70/95	71/96	71/96
12V output, A	12/8.3	12/8.3	12/8.3	12/8.3	12/8.3
Engine model	KS 390	KS 390	KS 390	KS 420	KS 440
Engine type	1-cylinder gasoline, 4-stroke with air cooling		1-cylinder gasoline/gas, 4-stroke with air cooling		1-cylinder gasoline, 4-stroke with air cooling
Engine power, hp/kW	13.0/9.56	13.0/9.56	13.0/9.56	16.0/11.77	18.0/13.24
Oil sump capacity, L	1.1	1.1	1.1	1.1	1.2
Engine displacement, cm³	389	389	389	420	440
Voltage regulator	Intelligent AVR system				
Starting type	Manual/ Electric/Auto	Manual/ Electric	Manual/ Electric	Manual/ Electric	Manual/ Electric
Power factor, cos φ	0.8 (400 V)	1.0 (230 V)	0.8 (400 V)	1.0 (230 V)	1.0 (230 V)
Net dimensions (L×W×H), mm	680x545x550	680x545x550	680x545x550	680x545x550	680x545x550
Gross dimensions (L×W×H), mm	700x545x590	700x545x590	700x545x590	700x545x590	700x545x590
Net weight, kg	82.3	81	77.2	79	86.5
Gross weight, kg	83.2	83	79.6	81	88.9
Protection class	IP23M				
EAN code	4 260405 361632	4 260405 362264	4 260405 361144	4 260405 365005	4 260405 361168

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude above sea level, and the technical condition of the generator.



	KS 10000E-3	KS 10000E ATS	KS 10000E-3 ATS	KS 10000E-1/3	KS 10000E G
Voltage, V	400	230	400	230	400
Maximum power, kW	8.0	8.0	8.0	8.0	8.0
Rated power, kW	7.5	7.5	7.5	7.5	7.5
Frequency, Hz	50	50	50	50	50
Maximum current, A	14.45	34.78	14.45	34.78	14.45
Sockets	1x16A (230 V) 1x16A (400 V)	1x16A, 1x32A	1x16A (230 V) 1x16A (400 V)	1x16A (400 V) 1x32A (230 V)	1x16A, 1x32A
Fuel tank capacity, L	25	25	25	25	25
Operating time at 50% load*, h	15	15	15	15	15
LED display	Hour meter, frequency, voltage				
Noise level Lpa (7 m)/Lwa, dB	71/96	71/96	71/96	71/96	71/96
12V output, A	12/8.3	12/8.3	12/8.3	12/8.3	12/8.3
Engine model	KS 440	KS 440	KS 440	KS 440	KS 440
Engine type	1-cylinder gasoline, 4-stroke with air cooling				1-cylinder gasoline/LPG, 4-stroke with air cooling
Engine power, hp/kW	18.0/13.24	18.0/13.24	18.0/13.24	18.0/13.24	18.0/13.24
Oil sump capacity, L	1.2	1.2	1.2	1.2	1.2
Engine displacement, cm³	440	440	440	440	440
Voltage regulator	Intelligent AVR system				
Starting type	Manual/ Electric	Manual/ Electric/Auto	Manual/ Electric/Auto	Manual/ Electric	Manual/ Electric
Power factor, cos φ	0.8 (400 V)	1.0 (230 V)	0.8 (400 V)	1.0 (230 V)	0.8 (400 V)
Net dimensions (L×W×H), mm	680x545x550	680x545x550	680x545x550	680x545x550	680x545x550
Gross dimensions (L×W×H), mm	700x545x590	700x545x590	700x545x590	700x545x590	700x545x590
Net weight, kg	88.0	87.8	89.2	88	86.5
Gross weight, kg	90.4	90.2	91.6	90	88.9
Protection class	IP23M				
EAN code	4 260405 361182	4 260405 361175	4 260405 361700	4 260405 361601	4 260405 363131

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude above sea level, and the technical condition of the generator.



DIESEL GENERATORS HEAVY DUTY



Generator power
5.0 – 8.0 kW



Voltage
230 V/400 V



Starting type
Manual/Electric



Engine power
12-18 hp

Könner & Söhnen® “HEAVY DUTY” diesel generators are engineered for reliable backup power and long-term continuous operation. They feature extended engine life, reduced fuel consumption, reinforced frames, and high-strength components, ensuring durability even under intensive use. The updated lineup includes single- and two-cylinder models with power outputs from 5.0 to 8.0 kW, equipped with air cooling.

THIS LINEUP IS IDEAL FOR:

✓ Construction sites

The VTS system powers both single-phase and three-phase equipment — mixers, lighting, etc. High engine durability, fuel efficiency, and ATS compatibility make it convenient for long-term operations.

✓ Agriculture

Powers pumps, grain dryers, and lighting from a single unit. Reliable diesel operation and ATS support ensure uninterrupted processes even during outages.

✓ Home backup

The diesel engine starts easily in cold conditions, and the ATS-compatible output allows automatic switching. VTS technology suits both current and future needs — single or three-phase.

✓ Small business

Supports workshops, clinics, or bakeries during power outages. The diesel system reduces costs and protects sensitive equipment, while the VTS system eliminates the need for two separate generators.



VTS phase transfer system
Nearly the same power output for single- or three-phase operation.

LED display:
hour meter, frequency, voltage

Pre-start heater for easy cold-weather startup

6-pin ATS output



**VIEW
3D OVERVIEW**



**VIEW
GENERATOR VIDEO
IN OPERATION**





GENERATORS ARE EQUIPPED WITH:

- ✓ **VTS phase transfer system**, allowing operation in single- or three-phase mode without power loss.
- ✓ **Output for ATS connection**, which automatically starts the generator during a power outage.
- ✓ **Preheating function** for easy cold-start operation.
- ✓ **High-capacity battery (30 Ah)** for stable performance.
- ✓ **Automatic circuit breakers** protect the system from overloads and short circuits. Includes grounding screw, protective-loop outlets, and automatic engine shutdown at low oil level.
- ✓ **LED display** shows key operating parameters: frequency, voltage, low oil level.



KS 6100HDE



Max/nom power, 230 V	5.5 kW / 5.0 kW
Voltage	230 V
Starting type	Manual / Electric
Outlets	1×32 A (230 V), 2×16 A (230 V)
Pre-start heater	+
Battery	30 A·h
Net dimensions (L×W×H)	730×495×630 mm
Net weight	107 kg
EAN code	4 260405 362592



KS 8100HDE



Max/nom power, 230 V	6.5 kW / 6.0 kW
Voltage	230 V
Starting type	Manual / Electric
Outlets	1×32 A (230 V), 2×16 A (230 V)
Pre-start heater	+
Battery	30 A·h
Net dimensions (L×W×H)	730×495×630 mm
Net weight	117 kg
EAN code	4 260405 362110



KS 8100HDE-1/3 ATSR



Max/nom power, 230 V	5.5/5.0 kW
Max/nom power, 400 V	6.5/6.0 kW
Voltage	230 V / 400 V
Starting type	Manual / Electric
Outlets	1×32 A (230 V), 2×16 A (400 V)
Pre-start heater	+
Battery	30 A·h
Net dimensions (L×W×H)	730×495×630 mm
Net weight	117 kg
EAN code	4 260405 362202



KS 9100HDE-1/3 ATSR



Max/nom power, 230 V	6.5/6.0 kW
Max/nom power, 400 V	7.5/7.0 kW
Voltage	230 V / 400 V
Starting type	Manual / Electric
Outlets	1×32 A (230 V), 2×16 A (400 V)
Pre-start heater	+
Battery	30 A·h
Net dimensions (L×W×H)	730×495×630 mm
Net weight	122 kg
EAN code	4 260405 362288





DIESEL GENERATORS HEAVY DUTY SILENT

Exclusive models in a **soundproof, anti-vandal casing provide quiet operation** and protection against rain, dust, and mechanical damage. The durable metal housing ensures safety and longevity even in harsh conditions. These generators feature an extended engine life (up to 3000 running hours), **pre-start heating for reliable winter startup**, and an ATS output for automatic standby power. Models 1/3 support the VTS phase transfer system, allowing operation in single- and three-phase modes without power loss.



CASING TYPE

All-season soundproof and vandal-resistant casing provides reliable generator protection and extends its service life. Equipped with handles and transport wheels for easy mobility. Super Silent series models feature a **noise level of LPA (7 m) – 66 dB**, ensuring comfortable operation even near residential areas.



CONVENIENT CONTROL PANEL

The ergonomic panel allows easy operation of the generator. **All elements are logically and conveniently arranged:** LED display (engine hours, voltage, frequency), electric start, automatic circuit breaker, oil and fuel level indicators, sockets, grounding, and ATS output for connecting the automatic transfer switch.



KS 9200HDES-1/3 ATSR



Max/nominal power, 230 V	6.5/6.0 kW
Max/nominal power, 400 V	7.5/7.0 kW
Voltage	230 V / 400 V
Starting type	Electric
Pre-start heater	+
Battery	30 A·h
Net dimensions (L×W×H)	900×545×905 mm
Net weight	168 kg
EAN code	4 260405 362363



KS 16-1E



Max/nominal power	16/15 kW
Voltage	230 V
Start type	Electric
Sockets	1 × 32 A, 1 × 63 A
Pre-start heater	+
Battery	45 A·h
Net dimensions (L×W×H)	1310×835×900 mm
Net weight	350 kg
EAN code	4 260405 368686



NEW

KS 16-1/3E



Max/nominal power, 230 V	16/15 kW
Max/nominal power, 400 V	20/18.75 kVa
Voltage	230/400 V
Starting type	Electric
Sockets	1 × 32 A, 1 × 63 A
Pre-start heater	+
Battery	45 A·h
Net dimensions (L×W×H)	1310×835×900 mm
Net weight	363 kg
EAN code	4 260405 368174

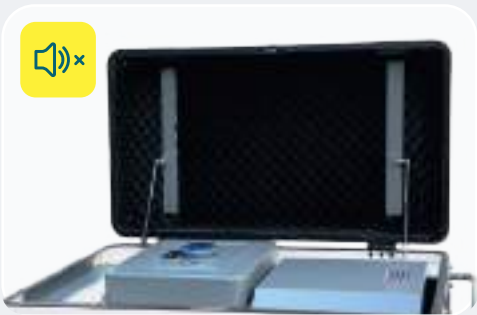


NEW



DIESEL GENERATORS SERIES
SUPER SILENT

The **KS 9300DE-1/3 ATSR** model is equipped with a specially designed, reinforced soundproof and anti-vandal casing that ensures quiet operation (**66 dB at 7 m**) and comfortable use even in harsh working conditions.



SOUNDPROOF CASING:

- ✓ Sound-absorbing materials ensure quiet generator operation
- ✓ Engine protection from branches, leaves, or construction debris
- ✓ ANTI-SCRATCH anti-corrosion coating extends the unit's service life
- ✓ Locks to prevent unauthorized access
- ✓ Handles and wheels for easy transportation

KS 9300DE-1/3 ATSR



Max/nom power, 230 V	6.5/6.0 kW
Max/nom power, 400 V	7.5/7.0 kW
Voltage	230 V / 400 V
Starting type	Electric
Outlets	1x32A (230 V), 1x16A (400 V)
Pre-start heater	+
Battery	30 A·h
Net dimensions (L×W×H)	1080×550×800 mm
Net weight	168 kg
EAN code	4 260405 365210



	KS 6100HDE KS 6102HDE	KS 8100HDE KS 8102HDE	KS 8100HDE-1/3 ATSR KS 8102HDE-1/3 ATSR	KS 9100HDE-1/3 ATSR KS 9102HDE-1/3 ATSR
Voltage, V	230	230	230 400	230 400
Maximum power, kW	5.5	6.5	5.5 6.5	6.5 7.5
Rated power, kW	5.0	6.0	5.0 6.0	6.0 7.0
Frequency, Hz	50	50	50	50
Maximum current, A	23.91	28.26	23.04 11.74	27.83 13.54
Outlets	1x16A 1x32A	1x16A 1x32A	1 x 16A (400 V) 1 x 32A (230 V)	1 x 16A (400 V) 1 x 32A (230 V)
Fuel tank capacity, L	11	11	11	11
Operating time at 50% load*, h	8.5	6.9	6.9	6.1
LED display	Hour meter, frequency, voltage			
Noise level Lpa (7 m)/Lwa, dB	71/96	71/96	71/96	71/96
12V output, A	12/8.3	12/8.3	12/8.3	12/8.3
Engine model	KS 440HD KS 440HD-V	KS 480HD KS 480HD-V	KS 480HD KS 480HD-V	KS 520HD KS 520HD-V
Engine type	Diesel, 1-cylinder, 4-stroke with air cooling			
Engine power, hp/kW	12.0/8.83	14.0/10.3	14.0/10.3	18.0/13.24
Oil capacity, L	1.65	1.65	1.65	1.65
Engine displacement, cm³	418	456	456	498
Voltage regulator	Intelligent AVR system			
Starting type	Manual/ electric	Manual/ electric	Manual/ electric	Manual/ electric
Power factor, cos φ	1.0 (230 V)	1.0 (230 V)	1.0 (230 V) 0.8 (400 V)	1.0 (230 V) 0.8 (400 V)
Frame diameter	32 mm, round			
Battery, A·h	30	30	30	30
ATS connection capability	-	-	+	+
Pre-start heater	+	+	+	+
Net dimensions (L×W×H), mm	730x495x630	730x495x630	730x495x630	730x495x630
Gross dimensions (L×W×H), mm	750x550x670	750x550x670	750x550x670	750x550x670
Net weight, kg	107	117	117	122
Gross weight, kg	115	125	125	130
Protection class	IP23M			
EAN code	4 260405 362592 4 260405 363681	4 260405 362110 4 260405 363674	4 260405 362202 4 260405 363698	4 260405 362288 4 260405 363704

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude above sea level, and the technical condition of the generator.



	KS 16-1E	KS 16-1/3E	KS 9200HDES-1/3 ATSR KS 9202HDES-1/3 ATSR	KS 9300DE-1/3 ATSR KS 9302DE-1/3 ATSR
Voltage, V	230	230 400	230 400	230 400
Maximum power, kW	16	16 20	6.5 7.5	6.5 7.5
Rated power, kW	15	15 18.78	6. 7.0	6.0 7.0
Frequency, Hz	50	50	50	50
Maximum current, A	69.56	69.56 23.09	28.26 13.54	28.26 13.54
Outlets	1 x 32A (230 V) 1 x 63A (230 V)	1 x 32A (400 V) 1 x 63A (230 V)	1 x 16A (400 V) 1 x 32A (230 V)	1 x 32A (230 V) 1 x 16A (400 V)
Fuel tank capacity, L	30	30	20	20
Operating time at 50% load*, h	9	9	11.1	11.1
LED display	multifunctional digital control unit HGM501		Hour meter, frequency, voltage	
Noise level Lpa (7m)/ Lwa, dB	79/96	76/96	69/94	66/91
12V output, A	-	-	12/8.3	12/8.3
Engine model	KS 1400HD		KS 520HD KS 520HD-V	KS 520HD KS 520HD-V
Engine type	Diesel, 2-cylinder, 4-stroke with air cooling		Diesel, 1-cylinder, 4-stroke with air cooling	
Engine power, hp/kW	30.0/22.00		18.0/13.24	18.0/13.24
Oil sump capacity, L	4	4	1.65	1.65
Engine displacement, cm³	1326	1326	498	498
Voltage regulator	Intelligent AVR system			
Starting type	Electric		Electric	
Power factor, cos φ	1.0 (230 V)	1.0 (230 V) 0.8 (400 V)	1.0 (230 V) 0.8 (400 V)	1.0 (230 V) 0.8 (400 V)
Housing type	Soundproof casing			
Battery, A·h	45	45	30	30
ATS connection capability	+	+	+	+
Pre-start heater	+	+	+	+
Net dimensions (L×W×H), mm	1320x820x880	1320×820×880	900x545x905	1080x550x800
Gross dimensions (L×W×H), mm	1330x830x930	1330x830x930	960x550x960	940x570x920
Net weight, kg	360	363	168	168
Gross weight, kg	375	388	178	180
Protection class	IP23M			
EAN code	4 260405 368686	4 260405 368174	4 260405 362363 4 260405 363711	4 260405 365210 4 260405 365227

*Fuel consumption depends on many factors, such as load, fuel quality, season, altitude above sea level, and the technical condition of the generator.

AUTOMATIC TRANSFER SWITCH (ATS) UNIT

The ATS unit **automatically starts the generator when power is lost** and switches the load to it, then stops the generator once power is restored.

Diesel models with electric starter feature a connector for the ATS unit, which includes a controller capable of **programming start-up time, pre-load warm-up, and error signaling**. It also provides an emergency stop button and a manual operating mode.

ATS unit (6-pin connector)

KS ATS 4/63HD



Power 230 V	14.4 (28.8) kW
Power 400 V	34.8 kW
Voltage	230 V / 400 V
Max current 230 V	63 (120) A
Max current 400 V	63 A
Net dimensions (LxWxH)	400x320x190 mm
Net/Gross weight	6.7/7.1 kg
EAN code	4 260405 362455



PROGRAMMABLE ATS CONTROLLER:

- ✓ Automatic/manual operating mode
- ✓ Programming engine start time after power loss
- ✓ Programming engine warm-up time before connecting the load
- ✓ Starter runtime setting
- ✓ Battery charging when the generator is off

TRANSPORT KITS

KS 6-9D KIT



Compatible with all diesel generator variants with an open frame of the series: KS 6000, KS 8000, KS 9000	
Wheels	4 pcs.
Net/Gross Weight	3.0/3.2 kg
EAN Code	4260405361717





INVERTER GENERATORS



Generator power
1.8–9.5 kW



Voltage
230 V



Start type
Manual/Electric



Engine power
2.5–16 hp

The updated range of **Könner & Söhnen® inverter generators** covers models with power from **1.8 to 9.5 kW**, including dual-fuel versions (gas/gasoline), models with ATS support, and low-noise units. The built-in electronic microprocessor ensures stable **230 V** voltage and **50 Hz** frequency, making these generators **safe for powering sensitive equipment** — computers, boilers, medical devices, and electric tools.

THIS RANGE IS IDEAL FOR:

✓ Home backup power

Safe power for Wi-Fi, laptops, medical devices, refrigerators, and lighting. Pure sine wave ensures electronics are working and charging safely.

✓ Camping, motorhomes, mobile offices

Quiet operation (50–60 dB) and lightweight — perfect for outdoor activities or off-grid work. Energy-efficient and safe for charging devices and portable equipment.

✓ Medical backup power

Reliable protection for CPAP machines, oxygen concentrators, or medicine refrigerators. Stable voltage ensures uninterrupted operation even while the user sleeps.

✓ Fieldwork and creative projects

Ideal for filming, streaming, events, and photoshoots where silence and stable power are crucial. Low noise does not interfere with recording, and the pure sine wave protects lights, monitors, and charging stations.

Multifunctional LED display

ATS block connection

RESET button

Economy mode

AC socket 1×32 A

DC socket 12 V / 8.3 A

Parallel connection

AC outlet 1×16 A



Built-in transport kit





DOUBLE THE POWER THROUGH PARALLEL CONNECTION.

Connect two generators simultaneously to **get double the output power** without complex setup or loss of current quality (a coefficient of 0.9 is applied to calculate the combined expected power). Only models with the same article number can be combined in this way.

For the **KS 2100i S**, **KS 3100i S**, and **KS 5500iES ATSR models**, cables for parallel connection are included in the delivery set. For other models, connection is possible via the **KS PU1** parallel generator connection unit (not included).



3-in-1 ENGINE START ASSIST SYSTEM

In most models, we designed a single handle with three functions: fuel valve, choke, and electric start. Maximum convenience and quick startup without extra steps.



TWO BODY FORMATS

Könnert & Söhne® inverter generators are available in two designs: with a noise-reducing enclosure for ultra-quiet operation, and an open-frame version — lighter and more economical, ideal for easy transportation.

KS 1900i S

Max./Rated Power	2.0 kW / 1.9 kW
Voltage	230 V
Starting Type	Manual
Outlets	1×16 A
Net Dimensions (L×W×H)	410×260×410 mm
Net Weight	17 kg
EAN Code	4 260405 364480



NEW

KS 2000i S



Max./Rated Power	2.0 kW / 1.8 kW
Voltage	230 V
Starting Type	Manual
Outlets	1×16 A
Net Dimensions (L×W×H)	480×280×460 mm
Net Weight	19 kg
EAN Code	4 260405 363322



KS 2100i S



Max./Rated Power	2.0 kW / 1.8 kW
Voltage	230 V
Starting Type	Manual
Outlets	1×16 A
Net Dimensions (L×W×H)	480×290×430 mm
Net Weight	18.5 kg
EAN Code	4 260405 365531



KS 3000i S



Max./Rated Power	3.3 kW / 3.0 kW
Voltage	230 V
Starting Type	Manual
Outlets	2 × Schuko 230 V / 16 A
ATS output	—
Net Dimensions (L×W×H)	500×285×460 mm
Net Weight	22.5 kg
EAN code	4 260405 367160



NEW

KS 3100i S



Max./Rated Power	3.1 kW / 2.8 kW
Voltage	230 V
Starting Type	Manual
Outlets	1×16 A
Net Dimensions (L×W×H)	480×290×430 mm
Net Weight	21.5 kg
EAN Code	4 260405 365555





KS 3300i S



Max./Rated Power	3.3 kW / 3.0 kW
Voltage	230 V
Start Type	Manual
Sockets	2×16 A
Net Dimensions (L×W×H)	435×375×455 mm
Net Weight	25.5 kg
EAN Code	4 260405 366316



KS 4500i



Max./nominal power	4.5 kW / 4.2 kW
Voltage	230 V
Starting type	manual
Sockets	2× Schuko 230 V
ATS output	-
Net dimensions (L×W×H)	455×440×480 mm
Net weight	33 kg
EAN code	4 260405 368327



NEW

KS 6500iE



Max./Nom. power	6.5 kW / 6.0 kW
Voltage	230 V
Start type	Electric
Sockets	Schuko 230 V 16 A, CEE 230 V 32 A
ATS output	-
Net dimensions (L×W×H)	615×465×492 mm
Net weight	42 kg
EAN code	4 260405 368334



NEW

PARALLEL GENERATOR CONNECTION BLOCK

With the **KS PU1 Könnert & Söhnen® parallel connection block**, you can increase the total output power by connecting two identical generators together.

KS PU1



Voltage	230 V
Sockets	1×16 A, 1×32 A
Circuit breaker	+
Maximum power	7 kW
Cable length	2×80 cm
Cable	AWG 2.08 mm ²
Net weight	1.37 kg
EAN code	4 260405 362530



ATS CONNECTION CAPABILITY

Some **Könnert & Söhnen®** models support connection to **Automatic Transfer Switch (ATS) units**, which enable the generator to start and stop automatically when power is lost or restored. Compatible ATS units are listed below.

KS 4000iE S



Max./rated power	4.0 kW / 3.5 kW
Voltage	230 V
Starting type	manual/electric
ATS output	+
Sockets	2×16 A
Net dimensions (L×W×H)	620×440×510 mm
Net weight	40 kg
EAN code	4 260405 363377



KS 5500iES ATSR



Max./rated power	5.5 kW / 5.0 kW
Voltage	230 V
Starting type	manual/electric
ATS output	+
Sockets	1×16 A, 1×32 A
Net dimensions (L×W×H)	610×470×535 mm
Net weight	52 kg
EAN code	4 260405 365579



KS 6000iE S



Max./Nom. power	5.5 kW / 5.0 kW
Voltage	230 V
Starting type	Manual
ATS output	+
Sockets	1×16 A, 1×32 A
Net dimensions (L×W×H)	590×390×547 mm
Net weight	39.5 kg
EAN code	4 260405 365791



KS 8100iE ATSR



Max./Nom. Power	8.5 kW / 8.0 kW
Voltage	230 V
Start Type	Electric
ATS Output	+
Sockets	1×16 A, 1×32 A
Net Dimensions (L×W×H)	600×510×560 mm
Net Weight	39.5 kg
EAN Code	4 260405 364725





KS 8100iE 1/3 ATSR



Max./nominal power	8.5 kW (230 V) / 8.5 kW (400 V) 8.0 kW (230 V) / 8.0 kW (400 V)
Voltage	230/400 V
Starting type	Electric start
Sockets	1×16 A (230 V), 1×32 A (230 V), 1×16 A (400 V)
ATS output	+
Net dimensions (L×W×H)	715×505×555 mm
Net weight	68 kg
EAN code	4 260405 368365



NEW

KS 9500iE S ATSR

Max./Nominal Power	9.5 kW / 9.0 kW
Voltage	230 V
Starting Type	Manual/Electric/Remote
Outlets	1×Schuko 230 V 16 A, 1×CEE 230 V 32 A, 1×CEE 230 V 63 A
ATS Output	+
Gross Dimensions (L×W×H)	905×715×815 mm
Net Weight	85 kg
EAN Code	4 260405 367184



NEW

AUTOMATIC TRANSFER SWITCH (ATS) SYSTEM

The KS ATS 4/25 Inverter unit from Könnert & Söhnen® automatically starts the generator during a power outage and switches the load to it. Once power is restored, the system automatically stops the generator, providing fully automatic operation without any user intervention.



	ATS Unit (8-pin connector) KS ATS 4/25 GASOLINE	ATS Unit (7-pin connector) KS ATS 4/25 INVERTER
Power 230 V	5.75 (11.5) kW	5.75 (11.5) kW
Power 400 V	13 kW	13 kW
Voltage	230 V / 400 V	230 V / 400 V
Maximum current 230 V	25 A (50 A)	25 A (50 A)
Maximum current 400 V	25 A (50 A)	25 A
Net dimensions (L×W×H)	320×250×140 mm	320×250×140 mm
Net weight	6.0 kg	4.9 kg
Gross weight	6.5 kg	5.75 kg
EAN code	4 260405 364787	4 260405 365678



The KS ATS 4/25 Gasoline model is compatible with KS 4000iE S, KS 6000iE S, and KS 8100iE ATSR inverter generators.
The KS ATS 4/25 Inverter model is compatible only with the KS 5500iES ATSR inverter generator.

BUILT-IN ATS SYSTEM — AUTOMATIC TRANSFER SWITCH

Könnert & Söhnen® inverter generators with a **built-in ATS** **automatically start** when power is lost and shut down once it is restored.

This feature is especially convenient for sites with critical conditions — where maintaining **constant temperature or lighting is essential**, even without supervision.

No additional equipment is required — the system is already integrated, and connection is simple and accessible.



KS 4000iE S ATS



Max./Rated Power	4.0 kW / 3.5 kW
Voltage	230 V
Starting Type	Manual/Electric/Remote
ATS	Built-in ATS
Outlets	2×16 A
Net Dimensions (L×W×H)	620×440×510 mm
Net Weight	40 kg
EAN Code	4 260405 365784



KS 6000iE S ATS



Max./Rated Power	5.5 kW / 5.0 kW
Voltage	230 V
Starting Type	Manual/Electric/Auto
ATS	Built-in ATS
Sockets	1×32 A
Net Dimensions (L×W×H)	590×390×547 mm
Net Weight	40 kg
EAN Code	4 260405 365807



AUTOMATIC MODE WITHOUT FIXED INSTALLATION

The KS 4000iES ATS and KS 6000iES ATS inverter generators from Könnert & Söhnen® are a ready-made solution for backup power at home, in an office, or a store.

The built-in ATS module provides fully automatic start and operation without the need for permanent connection or complex installation.



VERSION 3 — READY FOR “SMART” SYSTEMS

Models with “dry” contacts support external generator start control — an ideal solution for integration with solar stations or inverters.

They operate without power consumption in standby mode and provide automatic start without permanent installation.



LPG/GASOLINE INVERTER GENERATORS – DUAL FUEL SERIES



Könnér & Söhnen® DUAL FUEL generators operate on both gasoline and liquefied gas (propane-butane), offering cost efficiency and flexible fuel options.

The set includes a hose with a DIN 477 regulator for safe connection to a gas cylinder. The regulator stabilizes the pressure and prevents overloading the gas connection.

Reliable K&S gasoline engines, certified to EURO 5 standards, operate in an economical mode, reducing fuel consumption by up to 50%. The copper-wound alternator ensures stable operation, while the LED display provides convenient monitoring and timely maintenance.



COMPLETE SET

Everything needed to connect a gas cylinder is included: regulator and hose that stabilize pressure and ensure safe fuel supply. Simply connect the cylinder, and the generator is ready to operate.



ECONOMY MODE

The ergonomic control panel features a fuel-saving mode switch. The economy mode reduces fuel consumption by up to 50% under light loads by lowering engine RPM.

KS 1900iG S

Max./Nom. Power	2.0 kW*/ 1.9 kW*
Voltage	230 V
Starting Type	Manual
Fuel Type	Gasoline / LPG
Sockets	1×16 A
Net Dimensions (L×W×H)	440×290×440 mm
Net Weight	17 kg
EAN Code	4 260405 364312



NEW

KS 2000iG S



Max./Nom. Power	2.0 kW*/1.8 kW*
Voltage	230 V
Starting Type	Manual
Outlets	1×16 A
Net Dimensions (L×W×H)	500×285×460 mm
Net Weight	19 kg
EAN Code	4 260405 364749



KS 2100iG S



Max./Rated Power	2.1 kW*/1.8 kW*
Voltage	230 V
Starting Type	Manual
Outlets	1×16 A
Net Dimensions (L×W×H)	480×290×430 mm
Net Weight	19 kg
EAN Code	4 260405 365548



KS 3000iGS

Max./Nom. power	4.0 kW*/3.6 kW*
Voltage	230 V
Starting type	manual
Outlets	2 × Schuko 230 V / 16 A
Net dimensions (L×W×H)	500×285×460 mm
Net weight	22.5 kg



NEW

**KS 3100iG S**

Max./Nom. power	3.1 kW*/2.8 kW*
Voltage	230 V
Starting type	Manual
Sockets	1×16 A
Net dimensions (L×W×H)	480×290×430 mm
Net weight	22 kg
EAN code	4 260405 365562

**KS 4000iEG S**

Max./Nom. Power	4.0 kW*/3.5 kW*
Voltage	230 V
Starting Type	Manual/Electric
Outlets	2×16 A
Net Dimensions (L×W×H)	620×440×510 mm
Net Weight	40 kg
EAN Code	4 260405 364756

**KS 4500i G**

Max./Rated Power	4.5 kW* / 4.2 kW*
Voltage	230 V
Starting Type	Manual
Sockets	2× Schuko 230 V
ATS Output	-
Net Dimensions (L×W×H)	455×440×480 mm
Net Weight	33 kg
EAN Code	4 260405 368310

**KS 5500iEG S**

Max./Nom. Power	5.5 kW*/5.0 kW*
Voltage	230 V
Starting Type	Manual/Electric
Sockets	1×16 A, 1×32 A
Net Dimensions (L×W×H)	610×470×535 mm
Net Weight	52.5 kg
EAN Code	4 260405 365586

**KS 6500iE G**

Max./Rated Power	6.5 kW* / 6.0 kW*
Voltage	230 V
Starting Type	Electric
Sockets	Schuko 230 V 16A, CEE 230 V 32A
ATS Output	-
Net Dimensions (L×W×H)	615×465×492 mm
Net Weight	46 kg
EAN Code	4 260405 364503



NEW

KS 8100iEG

Max./Rated Power	8.5 kW*/8.0 kW*
Voltage	230 V
Start Type	Electric
Sockets	1×16 A, 1×32 A
Net Dimensions (L×W×H)	600×510×560 mm
Net Weight	68 kg
EAN Code	4 260405 364817



NEW

KS 8100iEG 1/3

Max./Nom. Power	8.5* kW (230 V) / 8.5 kW (400 V) 8.0* kW (230 V) / 8 kW (400 V)
Voltage	230/400 V
Start Type	Electric
Sockets	1×16 A (230 V), 1×32 A (230 V), 1×16 A (400 V)
ATS Output	+
Net Dimensions (L×W×H)	600×510×560 mm
Net Weight	68 kg
EAN Code	4 260405 368341



NEW

* When operating on gas, the generator's power decreases by 10%.



	KS 1900i S	KS 2000i S	KS 2100i S	KS 3000i S
Voltage, V	230	230	230	230
Maximum power, kW	2.0	2.0	2.0	3.3
Rated power, kW	1.9	1.8	1.8	3.0
Frequency, Hz	50	50	50	50
Maximum current, A	8.7	8.7	8.7	14.3
Outlets	1x16A	1x16A	1x16A	2x16A
Fuel tank capacity, L	4	5	4	4
Operating time at 50% load*, h	4.5	6.25	5.7	4.03
LED display	-	Hour meter, frequency, voltage		
Noise level Lpa (7 m)/Lwa, dB	74/94	62/87	62/87	68/95
12V output, A	12/8.3	-	12/8.3	12/8.3
USB outputs	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	-
Engine model	R80-i2	KS 100i	KS 110i	KS 160i
Engine type	Gasoline, 4-stroke			
Engine power, hp	3.2	2.5	3.3	5
Oil sump capacity, L	0.45	0.4	0.35	0.4
Engine displacement, cm³	79.7	79.7	79.7	150
Parallel connection capability	+	+	+	-
Starting type	Manual	Manual	Manual	Manual
Lithium-ion battery, A·h	-	-	-	-
ATS output	-	-	-	-
Power factor, cos φ	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)
Net dimensions (L×W×H), mm	440×290×440	480x280x460	480x290x430	500x285x460
Gross dimensions (L×W×H), mm	465×295×490	555x335x540	510x320x475	520x350x565
Net weight, kg	17	19	18.5	23
Gross weight, kg	19	21	21.2	23.5
Protection class	IP23M			
EAN code	4 260405 364480	4 260405 363322	4 260405 365531	4 260405 367170



	KS 3100i S	KS 3300i	KS 4500i	KS 6500iE
Voltage, V	230	230	230	230
Maximum power, kW	3.1	3.3	4.5	6.5
Rated power, kW	2.8	3.0	4.2	6.0
Frequency, Hz	50	50	50	50
Maximum current, A	13.5	14.4	19.6	28.6
Sockets	1x16A	2x16A	2x16A	1x16A, 1x32A
Fuel tank capacity, L	4	7	13	17
Operating time at 50% load*, h	4	7	9.18	6
LED display	Hour meter, frequency, voltage			
Noise level Lpa (7 m)/Lwa, dB	63/88	71/96	72/97	70/97
12V output, A	12/8.3	12/8.3	12/8.3	12/8.3
USB outputs	5V/1A, 5V/2,1A	-	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A
Engine model	KS 160i	KS 210i	KS 240i	KS 310i
Engine type	Gasoline, 4-stroke			
Engine power, hp	4.6	5.5	6.1	10.4
Oil sump capacity, L	0.45	0.6	0.6	0.8
Engine displacement, cm³	145	208	223	306
Parallel connection capability	+	-	-	-
Starting type	Manual	Manual	Manual	Manual
Lithium-ion battery, A·h	-	-	-	1.6
ATS output	-	-	-	-
Power factor, cos φ	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)
Net dimensions (L×W×H), mm	480x290x430	435x375x455	455x440x480	615×465×492
Gross dimensions (L×W×H), mm	510x320x475	450x380x480	480x460x525	745x485x495
Net weight, kg	21.5	25.5	33	42
Gross weight, kg	23.9	27.5	35	48
Protection class	IP23M			
EAN code	4 260405 365555	4 260405 366316	4 260405 368327	4 260405 368334

*Fuel consumption depends on numerous factors, such as load, fuel quality, season, altitude above sea level, and the technical condition of the generator.



	KS 4000iE S	KS 5500iE S ATSR	KS 6000iE S	KS 8100iE ATSR
Voltage, V	230	230	230	230
Maximum power, kW	4.0	5.5	5.5	8.5
Rated power, kW	3.5	5.0	5.0	8.0
Frequency, Hz	50	50	50	50
Maximum current, A	17.4	23.9	23.9	34.8
Sockets	2x16A	1x16A, 1x32A	1x16A, 1x32A	1x16A, 1x32A
Fuel tank capacity, L	12	13.5	11	20
Operating time at 50% load*, h	7.8	8.1	7	7.1
LED display	multifunctional**			hour meter, frequency, voltage
Noise level Lpa (7 m)/Lwa, dB	66/91	66/91	70/95	70/95
12V output, A	12/8.3	12/8.3	12/8.3	12/8.3
USB outputs	-	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A
Engine model	KS 240i	KS 330i	KS 240i	KS 480i
Engine type	gasoline, 4-stroke			
Engine power, hp	7.5	9.5	7.5	16
Oil sump capacity, L	0.6	0.85	0.7	1.1
Engine displacement, cm³	223	312	223	458
Parallel connection capability	+	+	+	-
Starting type	manual / electric			electric
Lithium-ion battery, A·h	1.6	1.6	1.6	1.6
ATS output	+	+	+	+
Power factor, cos φ	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)
Net dimensions (L×W×H), mm	620x440x510	610x470x535	590x390x547	600x510x560
Gross dimensions (L×W×H), mm	630x475x570	680x510x605	640x425x600	725x505x555
Net weight, kg	40	52	39.5	68
Gross weight, kg	43.4	57.8	43	74
Protection class	IP23M			
EAN code	4 260405 363377	4 260405 365579	4 260405 365791	4 260405 364725

*Fuel consumption depends on numerous factors, such as load, fuel quality, season, altitude above sea level, and the technical condition of the generator.



	KS 9500iE S ATSR	KS 8100iE 1/3 ATSR	KS 4000iE S ATS	KS 6000iE S ATS
Voltage, V	230	230/400	230	230
Maximum power, kW	9.5	8.5 (230 V), 8.5 (400 V)	4.0	5.5
Rated power, kW	9.0	8 (230 V), 8 (400 V)	3.5	5.0
Frequency, Hz	50	50	50	50
Maximum current, A	41.3	36,9/15,35	17.4	23.9
Outlets	1x16A, 1x32A, 1x63A	1x16A (230 V), 1x32A (230 V), 1x16A (400 V)	2x16A	1x32A
Fuel tank capacity, L	30	20	12	11
Operating time at 50% load*, h	10.27	6	7.8	7
LED display	Multifunctional**		Hour meter, frequency, voltage	
Noise level Lpa (7 m)/Lwa, dB	70/95	70/97	66/91	70/95
12V output, A	12/8.3	-	12/8.3	-
USB outputs	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	-
Engine model	KS 480i	KS 480i	KS 240i	KS 240i
Engine type	Gasoline, 4-stroke			
Engine power, hp	14.2		7,5	7.5
Oil sump capacity, L	1.2	1.1	0.6	0.7
Engine displacement, cm³	438	458	223	223
Parallel connection capability	-	-	-	-
Starting type	Manual/electric/ remote	Electric	Manual/electric/	
Lithium-ion battery, A · h	1.6	1.6	1,6	1.6
ATS output	+	+	Built-in Automatic Transfer Switch (ATS)	Built-in Automatic Transfer Switch (ATS)
Power factor, cos φ	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)
Net dimensions (L×W×H), mm	765×625×700	715×505×555	620x440x510	590x390x547
Gross dimensions (L×W×H), mm	905×715×815	730×520×580	630x475x570	640x425x600
Net weight, kg	85	68	40	40
Gross weight, kg	90	71	43.5	43
Protection class	IP23M			
EAN code	4 260405 367184	4 260405 368365	4 260405 365784	4 260405 365807

*Fuel consumption depends on a variety of factors, such as load, fuel quality, season, altitude, and the technical condition of the generator.



LPG/Gasoline inverter generators

TRADITIONELLE
DEUTSCHE
QUALITÄT



	KS 1900iG S	KS 2000iG S	KS 2100iG S	KS 3100iG S	KS 4000iEG S
Voltage, V	230	230	230	230	230
Maximum power, kW	2.0*	2.0*	2.0*	3.1*	4.0*
Rated power, kW	1.9*	1.8*	1.8*	2.8*	3.5*
Frequency, Hz	50	50	50	50	50
Maximum current, A	8.7	8.7	8.7	13.5	17.4
Sockets	1x16A	1x16A	1x16A	1x16A	2x16A
Fuel tank capacity, L	4	5	4	4	12
Operating time at 50% load**, h	4.5	6.25	5.7	4	7.8
LED display	-	Hour meter, frequency, voltage			
Noise level Lpa (7 m)/Lwa, dB	72/94	62/87	62/87	63/88	66/91
12V output, A	-	-	12/8,3	12/8,3	12/8,3
USB outputs	5V/1A, 5V/2,1A	-	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A
Engine model	R80-i2	KS 100i	KS 110i	KS 160i	KS 240i
Engine type	Gas/Gasoline, 4-stroke				
Engine power, hp	3.2	2.5	3.3	4.6	7.5
Oil sump capacity, L	0.45	0.4	0.35	0.45	0.6
Engine displacement, cm ³	79.7	79.7	79.7	145	223
Parallel connection capability	+	+	Parallel connection cables included		+
Starting type	Manual	Manual	Manual	Manual	Manual/electric
Lithium-ion battery, A • h	-	-	-	-	1,6
Power factor, cos φ	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)
Net dimensions (L×W×H), mm	440x290x440	500x285x460	480x290x430	480x290x430	620x440x510
Gross dimensions (L×W×H), mm	465x295x490	700x335x540	510x320x475	510x320x475	775x475x570
Net weight, kg	17	19	19	22	40
Gross weight, kg	19.5	21	22.3	24.6	46
Protection class	IP23M				
EAN code	4 260405 364312	4 260405 364749	4 260405 365548	4 260405 365562	4 260405 364756

* When running on gas, the generator's power decreases by 10%.

**Fuel consumption depends on numerous factors, such as load, fuel quality, season, altitude above sea level, and the technical condition of the generator.



	KS 4500iG	KS 5500iEG S	KS 6500iEG	KS 8100iEG	KS 8100iEG 1/3
Voltage, V	230	230	230	230	230/400
Maximum power, kW	4.5*	5.5*	6.5*	8.5*	8.5* (230 V), 8.5* (400 V)
Rated power, kW	4.2*	5.0*	6.0*	8.0*	8.0* (230 V), 8.0* (400 V)
Frequency, Hz	50	50	50	50	50
Maximum current, A	19.6	23.9	28.26	34.8	36.9/15.35
Sockets	2x16A	1x16A, 1x32A	1x16A, 1x32A	1x16A, 1x32A	1x16A (230 V), 1x32A (230 V), 1x16A (400 V)
Fuel tank capacity, L	13	13.5	17	20	20
Operating time at 50% load**, h	9.2	8.4	6	7.1	6
LED display	Hour meter, frequency, voltage	Multi- functional***		Hour meter, frequency, voltage	
Noise level Lpa (7 m)/Lwa, dB	72/97	66/91	70/97	70/95	70/95
12V output, A	12/8.3	12/8.3	12/8.3	12/8.3	-
USB outputs	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A	5V/1A, 5V/2,1A
Engine model	KS 240i	KS 330i	KS 310i	KS 480i	KS 480i
Engine type	Gas/Gasoline, 4-stroke				
Engine power, hp	6.1	9.5	10.4	16	16
Oil sump capacity, L	0.6	0.85	0.8	1.1	1.1
Engine displacement, cm ³	223	312	306	458	458
Parallel connection capability	-	+	-	-	-
Starting type	Manual	Manual/electric		Electric	
Lithium-ion battery, A • h	-	1.6	1.6	1.6	1.6
Power factor, cos φ	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)	1.0 (230 V)
Net dimensions (L×W×H), mm	455x440x480	610x470x535	640x450x570	600x510x560	600x510x560
Gross dimensions (L×W×H), mm	480x460x525	765x510x605	745x490x505	765x505x555	730x520x580
Net weight, kg	33	52,5	46	68	68
Gross weight, kg	37	63	50	74	74
Protection class	IP23M				
EAN code	4 260405 368327	4 260405 365586	4 260405 364503	4 260405 364817	4 260405 368341

* When running on gas, the generator's power decreases by 10%.

**Fuel consumption depends on numerous factors, such as load, fuel quality, season, altitude above sea level, and the technical condition of the generator.



DIESEL INVERTER GENERATORS



Generator power
5.0 – 10.0 kW



Voltage
230 V



Starting type
Manual/Electric



Engine power
8.8-17.7 hp

Könnert & Söhne® diesel inverter generators are a modern solution for stable, economical, and safe power supply. The inverter technology delivers a pure **230 V / 50 Hz sine wave**, making these generators ideal for boilers, servers, medical equipment, and sensitive electronics. Powerful diesel engines ensure up to **2,000 operating hours** and stable performance even under prolonged loads. Thanks to low fuel consumption, the cost per kilowatt of energy is noticeably lower. This is the perfect combination of inverter precision, diesel reliability, and operational efficiency.

✓ PURE POWER FOR PRECISION EQUIPMENT

The inverter provides stable 230 V / 50 Hz — safe for boilers, servers, medical devices, and measurement instruments.

✓ LOWER COST PER KWH

Diesel consumes less fuel under load; inverter-controlled RPM reduces consumption in partial-load modes.

✓ EXTENDED OPERATION WITHOUT INTERRUPTIONS

Increased engine lifespan (up to 2,000 operating hours) and a large fuel tank ensure long autonomy — fewer stops, higher productivity.

✓ INFRASTRUCTURE-READY

Supports ATS, features a convenient control panel, full-power outlets, sensors/protections, and optional remote or automatic start.



KS 6100iDE ATSR



Max./Rated Power	5.5 kW*/5.0 kW*
Voltage	230 V
Starting Type	Manual/Electric
Outlets	2×Schuko 230 V, 1×CEE 230 V 32 A
ATS Output	+
Net Dimensions (L×W×H)	660×510×640 mm
Net Weight	97 kg
EAN Code	4 260405 367467



KS 6500iDE S ATSR

Max./Rated Power	6.5 kW*/6.0 kW*
Voltage	230 V
Start Type	Manual, Electric, Remote
Sockets	2 × Schuko 230 V 16 A, 1 × CEE 230 V 32 A
ATS Output	+
Gross Dimensions (L×W×H)	870×580×765 mm
Gross Weight	139 kg
EAN Code	4 260405 368730



NEW

KS 9500iDE ATSR



Max./Rated Power	10.0 kW*/9.5 kW*
Voltage	230 V
Starting Type	Electric
Sockets	2×Schuko 230 V, 1×CEE 230 V 63 A
ATS Output	+
Net Dimensions (L×W×H)	770×542×722 mm
Net Weight	130 kg
EAN Code	4 260405 367474



Control panel

NEW

ATS UNIT

(8-pin connector)

Automatically starts the generator when the power goes out and stops it after the power is restored.

KS ATS 4/63D-INVERTER



Power 230 V	14.5 kW
Voltage	230 V / 400 V
Current (max) 230 V	63 A
Power 400 V	41.5 kW
Current (max) 400 V	63 A
Net dimensions (L×W×H)	430×195×393 mm
Net/Gross weight	9.0/10.5 kg
EAN code	4 260405 367764





HEAVY DUTY DIESEL POWER STATIONS

The **HEAVY DUTY Silent Diesel Generator** series is designed for uninterrupted power supply where downtime is unacceptable. These power stations ensure stable operation of equipment in industrial, commercial, medical, agricultural, or private settings.

Equipped with low-speed **Baudouin engines (1500 rpm)**, these units combine reliability, fuel efficiency, and long service life. The galvanized metal enclosure provides additional protection against corrosion and ensures durability during operation. **The built-in heating system** enables easy starting even at low temperatures.

ADVANTAGES:

- ✓ Stable power supply for sensitive equipment
- ✓ Durable low-speed Baudouin engine
- ✓ Fuel-efficient operation
- ✓ Reduced noise level and protection from external influences
- ✓ Capability to work with an ATS unit for automatic start-up



Electronic engine
speed control system



Pre-start
heater



Galvanic
anti-corrosion coating



Minimum noise level
Lpa (7 m) – 68 dB



Even in the most challenging conditions, Könnert & Söhne® power stations operate stably and reliably, providing uninterrupted electricity supply. The series covers a wide range of power outputs, allowing you to choose the optimal solution for facilities of different sizes and energy demands, making it the most suitable option for industry, agriculture, construction sector, healthcare facilities, as well as civilian and critical infrastructure.



LOW-SPEED RELIABLE ENGINES

Könnert & Söhne® diesel power stations are equipped with **4-cylinder low-speed Baudouin engines**.

These engines provide high performance, stable operation, and long service life. Thanks to the electronic RPM control system, the generator instantly responds to load changes, maintains a constant 50 Hz frequency, and delivers clean, high-quality electricity.

BRUSHLESS ALTERNATOR

Könnert & Söhne® power stations are equipped with a **4-pole brushless synchronous Stamford-type alternator** with self-excitation and an electronic AVR (Automatic Voltage Regulator), ensuring stable power output even under variable loads.



DIGITAL CONTROLLER

The modern Datakom D300 digital unit provides full control over the power station's operation.

The controller **automatically monitors key parameters** — engine speed, temperature, oil level, battery charge — and **protects the unit from overload or overheating**.

Thanks to its intuitive interface, configuring start modes, monitoring system status, and receiving maintenance alerts is simple and convenient.



SOUNDPROOF ANTI-VANDAL HOUSING

The soundproof housing significantly **reduces operational noise**, improves **heat distribution**, and **protects the power station from moisture, condensation, adverse weather conditions, and unauthorized access**. Optional galvanic coating enhances wear resistance, durability, oxidation protection, and corrosion resistance.



Convenient transportation



Electronic engine speed control system

Locks on all doors

Reliable low-speed engine with water cooling, 1500 rpm

Soundproof housing with galvanized anti-corrosion coating

Durable frame construction

✓ COMPLETE PRE-SALE TESTING AND COMMISSIONING IN EUROPE

✓ EUROPEAN QUALITY CERTIFICATES AND 2-YEAR WARRANTY

🌐 konner-sohnen.com

 **Baudouin** MOTEURS

Reliable low-speed water-cooled engines from the French company **BAUDOUIN, 1500 rpm**



KS 35-3BE



Max./nom. power 400 V	35/32 kVA
Voltage	230 V / 400 V
Engine Speed Control System	Electronic
Fuel tank capacity	59 L
Fuel consumption at 50% load	3.43 L/h
Battery	85 A • h
Net dimensions (L×W×H)	2050×850×1070 mm
Net weight	748 kg
EAN code	4 260405 368112



KS 50-3BE



Max./nom. power 400 V	50/45 kVA
Voltage	230 V / 400 V
Engine Speed Control System	Electronic
Fuel tank capacity	78 L
Fuel consumption at 50% load	4.43 L/h
Battery	85 A • h
Net dimensions (L×W×H)	2280×900×1070 mm
Net weight	866 kg
EAN code	4 260405 368136



KS 72-3BE



Max./nom. power 400 V	72/65 kVA
Voltage	230 V / 400 V
Engine Speed Control System	Electronic
Fuel tank capacity	170 L
Fuel consumption at 50% load	6.64 L/h
Battery	100 A • h
Net dimensions (L×W×H)	2550×950×1200 mm
Net weight	1370 kg
EAN code	4 260405 368150



KS 110-3BE



Max./nom. power 400 V	110/100 kVA
Voltage	230 V / 400 V
Engine Speed Control System	Electronic
Fuel tank capacity	185 L
Fuel consumption at 50% load	9.91 L/h
Battery	100 A • h
Net dimensions (L×W×H)	2800×1050×1250 mm
Net weight	1446 kg
EAN code	4 260405 368167



DIESEL POWER STATIONS SERIES HEAVY DUTY SUPER SILENT

Könnert & Söhnen® Super Silent models feature a high noise-reduction housing, ensuring a noise level of only 68 dB (Lpa at 7 m).

An optimal solution for locations where quiet operation is essential — hospitals, offices, hotels, and residential buildings.

KS 35-3BES



Max./nom. power 400 V	35/32 kVA
Voltage	230 V / 400 V
Engine Speed Control System	Electronic
Fuel tank capacity	80 L
Fuel consumption at 50% load	3.43 L/h
Battery	85 A • h
Net dimensions (L×W×H)	2160×950×1250 mm
Net weight	877 kg
EAN code	4 260405 368129



KS 50-3BES



Max./nom. power 400 V	50/45 kVA
Voltage	230 V / 400 V
Engine Speed Control System	Electronic
Fuel tank capacity	80 L
Fuel consumption at 50% load	4.43 L/h
Battery	85 A • h
Net dimensions (L×W×H)	2280×950×1250 mm
Net weight	967 kg
EAN code	4 260405 368143



AUTOMATIC TRANSFER SWITCH (ATS) UNIT

The Automatic Transfer Switch (ATS) unit automates the process of switching to a backup power source, eliminating the need to manually start the generator and stop it when the main power supply is restored.

KS ATS 4/160HD



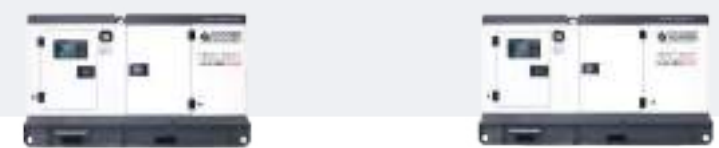
Power consumption	18 W
Voltage	230 V / 400 V
Power 230 V / 400 V	36.8 kW / 88.5 kW
Current (max.) 230 V / 400 V	160 A
Net dimensions (L×W×H)	500×300×600 mm
Net weight	24 kg
EAN code	4 260405 368259





	KS 35-3BE		KS 50-3BE		KS 72-3BE		KS 110-3BE	
Number of phases	Three-phase		Three-phase		Three-phase		Three-phase	
Voltage, V	230	400	230	400	230	400	230	400
Maximum power, kVA	35		50		72		110	
Rated power, kVA	32		45		65		100	
Power factor, cos φ	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	0,8 (400 V)
Maximum current, A	50.5		72.2		102.8		158.8	
Frequency, Hz	50		50		50		50	
Insulation class	H		H		H		H	
ENGINE SPECIFICATIONS								
Engine type	Diesel, 4-cylinder, water-cooled, 4-stroke							
Engine brand	Baudouin		Baudouin		Baudouin		Baudouin	
Engine model	4M06G35/5		4M06G50/5		4M10G70/5		4M10G110/5	
RPM (revolutions per minute)	1500		1500		1500		1500	
Output power, kW	30		44		60		90	
Engine displacement, cm³	2300		2300		4087		4087	
Engine speed control system	Electronic		Electronic		Electronic		Electronic	
Engine preheater	+		+		+		+	
GENERAL SPECIFICATIONS								
Controller	Datakom D300		Datakom D300		Datakom D300		Datakom D300	
Fuel tank capacity, L	59		78		170		185	
Fuel consumption at 50% load*, L/h	3.43		4.43		6.64		9.91	
Oil sump capacity, L	11.5		11.5		13		13	
Cooling liquid volume, L	5		5		9.4		9.4	
Noise level, Lpa (7 m)/Lwa, dB	97/72		97/72		97/72		97/72	
Enclosure type	Soundproof, waterproof, metal, all-weather, vandal-proof							
Enclosure coating	Galvanized coating + powder coating							
Battery, A·h	85		85		100		100	
Battery charger	Built-in		Built-in		Built-in		Built-in	
ATS connection capability	+		+		+		+	
Voltage regulator	High-efficiency electronic voltage regulation system (AVR)							
Alternator protection class	IP23							
Sockets	1x32A (400 V)		1x63A (400 V)		1x63A (400 V)		1x63A (400 V)	
	1x16A (400 V)		1x32A (400 V)		1x32A (400 V)		1x32A (400 V)	
	1x16A (230 V)		1x16A (230 V)		1x16A (230 V)		1x16A (230 V)	
	1x32A (230 V)		1x32A (230 V)		1x32A (230 V)		1x32A (230 V)	
Net dimensions (LxWxH), mm	2050×850×1070		2280×900×1070		2550×950×1200		2800×1050×1250	
Gross dimensions (LxWxH), mm	2080×880×1090		2310×930×1090		2580×980×1270		2830×1080×1270	
Net weight, kg	748		866		1370		1446	
EAN code	4 260405 368112		4 260405 368136		4 260405 368150		4 260405 368167	

*Fuel consumption depends on many factors such as load, fuel quality, season, altitude, and the technical condition of the generator.



	KS 35-3BES		KS 50-3BES	
Number of phases	Three-phase		Three-phase	
Voltage, V	230	400	230	400
Maximum power, kVA	35		50	
Rated power, kVA	32		45	
Power factor, cos φ	1,0 (230 V)	0,8 (400 V)	1,0 (230 V)	0,8 (400 V)
Maximum current, A	50.5		72.2	
Frequency, Hz	50		50	
Insulation class	H		H	
ENGINE SPECIFICATIONS				
Engine type	Diesel, 4-cylinder, water-cooled, 4-stroke			
Engine brand	Baudouin		Baudouin	
Engine model	4M06G35/5		4M06G50/5	
Revolutions, rpm	1500		1500	
Output power, kW	30		44	
Engine displacement, cm³	2300		2300	
Engine speed control system	Electronic		Electronic	
Engine preheating	+		+	
GENERAL SPECIFICATIONS				
Controller	Datakom D300		Datakom D300	
Fuel tank capacity, L	80		80	
Fuel consumption at 50% load*, L/h	3.43		4.43	
Oil sump capacity, L	11.5		11.5	
Cooling liquid volume, L	5		5	
Noise level, Lpa (7 m)/Lwa, dB	88/68		88/68	
Enclosure type	Soundproof, moisture-protected, metal, all-weather, vandal-resistant			
Enclosure coating	Galvanized coating + powder coating			
Battery, A·h	85		85	
Battery charger	Built-in		Built-in	
ATS connection availability	+		+	
Voltage regulator	High-efficiency electronic voltage regulation system AVR			
Alternator protection class	IP23			
Sockets	1x32A (400 V) 1x16A (400 V) 2x16A (230 V)		1x63A (400 V) 1x32A (400 V) 1x16A (230 V) 1x32A (230 V)	
Net dimensions (L×W×H), mm	2160×950×1250		2280×950×1250	
Gross dimensions (L×W×H), mm	2190×980×1270		2310×980×1270	
Net weight, kg	877		967	
EAN code	4 260405 368129		4 260405 368143	

*Fuel consumption depends on many factors such as load, fuel quality, season, altitude, and the technical condition of the generator.



DISTRIBUTION BOXES

Reliable and functional solutions for safe power distribution at 230 V / 400 V. Equipped with sockets for connection to **up to 7 consumer groups with a maximum current of 32 A**. All sockets feature automatic protection, and contacts are made of brass to prevent corrosion. The robust housing and high-quality components ensure long service life even under intensive use.

SUITABLE FOR HARSH WORKING CONDITIONS



Durable construction



Wear-resistant ABS plastic



Impact-resistant housing IK10



Corrosion protection



Reliable insulation



IP54 protection

Practical solution for connecting various low-voltage devices.

Durable housing made of impact-resistant ABS plastic protects against corrosion and mechanical damage.

Transparent cover allows easy visual inspection of circuit breakers.

Suitable for both indoor and outdoor use — on construction sites, in houses, garages, or utility buildings.

HIGH-LEVEL PROTECTION AGAINST ALL WEATHER CONDITIONS

- ✓ **Splash-proof**
- ✓ **Dust-proof**

- ✓ **Lightweight wall-mount**
- ✓ **Compact size**
- ✓ **Simultaneous connection to up to 7 device groups**



	KS DB6-P03B	KS DB11-P07B	KS DB11-P24B
Rated current, A	32	32	32
Rated operating voltage, V	230/400	230/400	230/400
Rated frequency, Hz	50/60	50/60	50/60
Power, kW	14	22	22
Earthing system type	TN-C-S		
Socket type	2xSchuko 230 V 16 A 1xCEE 230 V 32 A 3P	7xSchuko 230 V 16 A	4xSchuko 230 V 16 A 1xCEE 400 V 32 A 5P 1xCEE 400 V 16 A 5P
Terminal block	400V 32A, 5x6 mm² M32	400V 32A, 5x6 mm² M32	400V 32A, 5x6 mm² M32
Protection automation	1×32 A 1P(C) 2×16 A 1P(B or C)	7×16 A 1P(B or C)	1×16 A 3P(C) 1×32 A 3P(C) 4×16 A 1P(B or C)
Operating temperature	from -25 °C to +40 °C		
Mechanical strength of the housing	IK10		
Net dimensions (L×H×W), mm	135×355×140	245×355×155	245×355×155
Gross dimensions (L×H×W), mm	145×365×150	255×365×165	255×365×165
Net weight, kg	≤ 1.8	≤ 2.8	≤ 3.4
QR code			
EAN code	4 260405 366439	4 260405 366545	4 260405 366477





Reel extension cords and adapter extension cords

Designed for both indoor and outdoor use — on construction sites, in agriculture, and in high-humidity environments.

Made from flexible power cable with 100% copper conductors and rubber insulation resistant to UV radiation, mechanical damage, oils, and moisture.

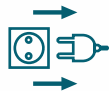
Reliable, durable, and safe even under demanding operating conditions.



Total power
3000 – 3600 W



Cable length
15 - 30 m



Plug
1x16 A/230 V



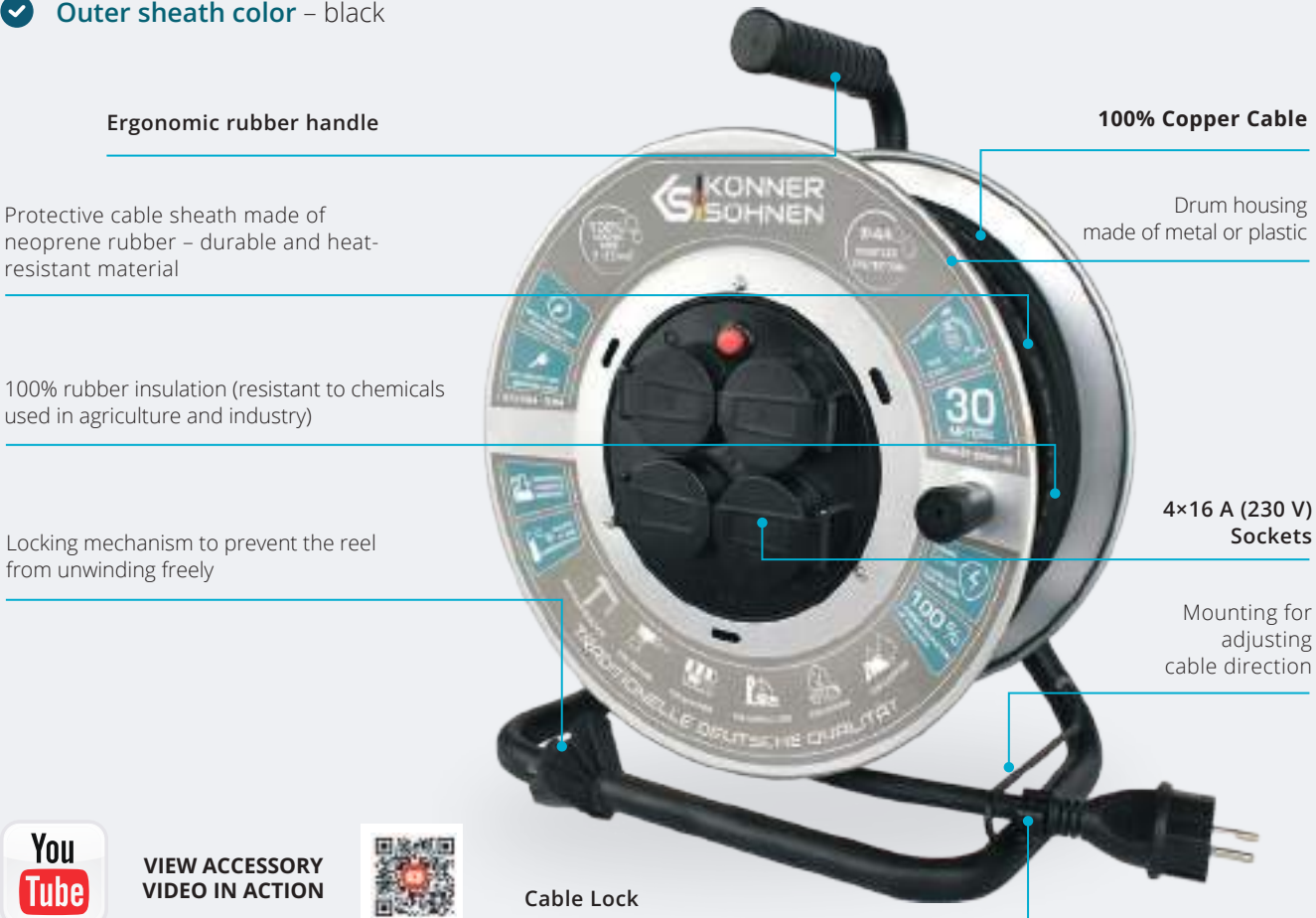
Sockets
4x16 A/230 V

CABLE SPECIFICATIONS

- ✓ **Cable type:** H07RN-F 3G2.5
- ✓ **H** – flexible cable
- ✓ **07** – rated voltage 450/750 V
- ✓ **R** – insulation made of synthetic rubber
- ✓ **N** – sheath made of chloroprene rubber
- ✓ **F** – copper conductors
- ✓ **G** – yellow-green grounding conductor
- ✓ **Number of cores** – 3
- ✓ **Outer sheath color** – black

RESISTANCE TO IMPACTS:

- ✓ **resistant to bending**
- ✓ **resistant to torsional stress**
- ✓ **moisture-resistant**
- ✓ **resistant to UV, ozone, chemicals, greases, lubricants, mineral oils, and mechanical stress**



VIEW ACCESSORY
VIDEO IN ACTION



EXTENSION CABLE REELS	KS CR-15M	KS CR-25M	KS CRM-30M
Total power (unrolled cable), W	3000	3600	3600
Cable length, m	15	25	30
Plug	1×16 A / 230 V	1×16 A/230 V	1×16 A/230 V
Sockets with protective cover	4×16 A / 230 V	4×16 A/230 V	4×16 A/230 V
Cable (100% copper)	3×1.5 mm ²	3×2.5 mm ²	3×2.5 mm ²
Reel housing material	Plastic	plastic	metal
Reel diameter, mm	335	380	390
Protection class		IP44	
Net weight, kg	3.2	6.5	7.8
Gross weight, kg	4	7	8.5
QR code			
EAN code	4 260405 363834	4 260405 363827	4 260405 363810



EXTENSION ADAPTER 32 A → 16 A	KS EX1M-1S	KS EX1.5M-3S	KS EX3M-4S
Total power (unrolled cable), W	3600	5000	5000
Cable length, m	1	1,5	3
Plug	1x32 A/250 V	1x32 A/250 V	1x32 A/250 V
Sockets with protective cover	1x16 A/250 V	3x16 A/250 V	4x16 A/250 V
Cable (100% copper)	3x1.5 mm ²	3x2.5 mm ²	3x2.5 mm ²
Protection class		IP44	
Net weight, kg	0.36	0.7	1.45
Gross weight, kg	0.4	0.78	1.55
QR code			
EAN code	4 260405 363803	4 260405 363780	4 260405 363797



The extension cord is equipped with a **100% copper cable**. Only copper can withstand prolonged maximum loads, making the cable durable and extending its service life.



Protection class IP44 allows outdoor use and operation in high humidity, thanks to protection against accidental water splashes and solid particles.



K&S Accessories

We have curated a full range of accessories. All items presented are useful, and sometimes even essential when using our equipment. Additionally, we offer a line of branded clothing. All products can be used for retail, promotional activities, customer incentives, and to boost loyalty.

MOISTURE-RESISTANT DUSTPROOF COVER FOR THE GENERATOR



KS COVER 10

For all gasoline generator models of the KS 2000 and 3000 series.

Dimensions	600x490x470 mm
EAN code	4 260405 362189



KS COVER 20

For all gasoline generator models of the KS 5000, KS 7000, KS 9000, KS 10000 series.
For all diesel generator models in the open-frame series KS 6000, KS 8000, KS 9000.

Dimensions	740x650x550 mm
EAN code	4 260405 362608



- ✓ Protects against rain, snow, frost, sun, and wind
- ✓ Resistant to ultraviolet (UV) radiation
- ✓ Resistant to acid rain and bird droppings
- ✓ Protects against dust and dirt

FUEL CANS



KS CAN 5

Capacity	5 l
Dimensions	260x128x255 mm
EAN code	4 260405 362127

KS CAN 10

Capacity	10 l
Dimensions	330x165x300 mm
EAN code	4 260405 363025



ENGINE OIL

High-quality semi-synthetic **engine oil** from Könnor & Söhnen® for gasoline and diesel engines. Provides reliable protection for your engine, even under prolonged and extreme loads, significantly extending its service life. Using this oil in our equipment ensures long-lasting and trouble-free operation.

Contains a set of state-of-the-art additives from the world-renowned company Infineum (UK).



KS 10W-30

Volume	1 l
Quality class	API SL/CF
Viscosity class	SAE 10W-30
EAN code	4 260405 362165

ULTRA
PERFORMANCE



POWER TO WIN

GEAR OIL

Reduces friction in moving parts, ensuring maximum performance and efficiency, minimizes wear, and extends the reliable service life of the transmission. The optimally formulated additive package guarantees smooth operation of the mechanism and efficient power transfer, reliably protects against deposits, sludge, and rust. Eliminates noise and vibrations during operation.



KS GEAR OIL 80W-90

Volume	1 l
Quality class	API GL-5
Viscosity class	SAE 80W-90
EAN code	4260405364060



KS D-ANTIGEL 20/60

Diesel fuel anti-gel
Könnor & Söhnen® ULTRA Performance series

Volume	250 ml
Dosage	250 ml of additive per 40-60 L of fuel
EAN code	4 260405 365364

- ✓ Improves low-temperature properties of diesel fuel
- ✓ Effectively lowers the pour point of diesel fuel



KS D-STAB 60

Diesel Fuel Anti-Gel
Könnor & Söhnen® ULTRA Performance Series

Volume	250 ml
Dosage	250 ml of additive per 40-60 L of fuel
EAN code	4 260405 365371

- ✓ Maintains the original quality of diesel fuel during storage
- ✓ Protects the high-pressure fuel pump (HPFP) from corrosion and wear, even if moisture enters the system



KS G-STAB 60

Diesel Fuel Antigel
Könnor & Söhnen® ULTRA Performance Series

Volume	250 ml
Dosage	250 ml of additive per 40-60 L of fuel
EAN code	4 260405 365388

- ✓ Maintains fuel quality during storage
- ✓ Protects the electric fuel pump from corrosion and wear, even if moisture enters the system

ULTRA
PERFORMANCE



ANTI-GEL

- ✓ Enhances fuel flow, ensuring easy cold-start performance
- ✓ Prevents the formation of paraffin crystals

DIESEL
FUEL
STABILIZER

- ✓ Reliably preserves the fuel system during periods of engine inactivity
- ✓ Ensures easy engine start after storage

GASOLINE
STABILIZER

- ✓ Ensures easy engine start after storage
- ✓ Reliably preserves the fuel system during periods of engine inactivity



AUTOMATIC BATTERY CHARGER

WITH SAE CONNECTOR FOR LiFePO4, AGM, LEAD-ACID, AND GEL BATTERIES.

A compact, easy-to-use charger with an SAE connector, designed for charging 6 V and 12 V LiFePO4, AGM, lead-acid, and gel batteries, as well as 12.8 V (4-cell) LiFePO4 batteries. Suitable for cars, light trucks, tractors, generators, vans, RVs, motorboats, and other applications with batteries up to 45 Ah.

KS-B2A



Voltage	6V/12V/12.8V
Operating mode	6V/12V/STD/GEL/ AGM/LiFePO4
Maximum output current	2 A
Rated input voltage	230 V / 50 Hz
Operating temperature	from -10°C to +40°C
Battery capacity	up to 45 Ah
Cable length	1.8 m
Net dimensions (L×W×H)	92.5×65×35 mm
Net weight	0.3 kg
EAN code	4 260405 365821



This automatic charger is designed for use with a 230 V mains power supply. The charging cable features an SAE connector, allowing you to switch between “alligator” clamps or ring terminals (both included). Additionally, the supplied adapter enables you to reverse the polarity of the cables if needed.

The charger has protection against:

- ✓ Overheating
- ✓ Short circuit
- ✓ Reverse polarity
- ✓ Battery overcharge



TRANSPORT KITS

KS 3 KIT



Compatible with all open-frame gasoline generator models of the series: KS 2000, KS 3000	
Axle	1 pc
Wheels	2 pcs
Handles	2 pcs
Support legs	2 pcs
Net/Gross weight	5.0/5.6 kg
EAN code	4 260405 363735



KS 7 KIT



Fits all modifications of open-frame gasoline generators of the series: KS 5000, KS 7000 (steel frame Ø28 cm)	
Axle	1 pc
Wheels	2 pcs
Handles	2 pcs
Support legs	2 pcs
Net/Gross weight	5.12/5.66 kg
EAN code	4 260405 363766



KS 10 KIT



Fits all modifications of open-frame gasoline generators of the series KS 9000, KS 10000, and all modifications of diesel generators KS 6100, KS 8100, KS 9100 (steel frame Ø32 cm).	
Axle	1 pc
Wheels	2 pcs
Handles	2 pcs
Support legs	2 pcs
Net/Gross weight	5.24/5.78 kg
EAN code	4 260405 363759





Our accessories are indispensable for maintenance tasks. They provide protection and convenience during use.



Protective goggles
KS GL-1



Polycarbonate goggles **1 pc**
EAN code **4260405364770**



Reliable hand protection against mechanical injuries.

Gloves
KS GLOVES L



100% natural leather + textile
EAN code **4260405362547**



Cap
CAP KS

Color **gray**



T-SHIRT KS

Men's size (M, L, XL)
Women's size (S)



POLO KS

Men's size (M, L, XL)



RAGLAN KS

Men's size (M, L, XL)



POWER TO WIN

BENEFITS FOR DEALERS

With **over 15 years of experience**, **Könner & Söhnen®** offers partners a ready-to-go business model — reliable products, powerful marketing, and full after-sales support. We understand the needs of every sales channel and create all the conditions for your success.

Dimax Group provides service, warranty, and technical support across all markets where K&S equipment is available.

WHY PARTNER WITH K&S

- ✓ High-quality products tested over time and by demanding European customers.
- ✓ Attractive cooperation terms and transparent partnership relations.
- ✓ Comprehensive marketing support: catalogs, visuals, videos, and showroom materials.
- ✓ Pre-sales inspection and quality control of each batch at the European center.
- ✓ Full after-sales service and training for sellers.
- ✓ Original spare parts and official warranty.

COMPLETE TURNKEY SOLUTION

By joining **Könner & Söhnen®**, you gain not just a product line — you gain a complete business system backed by a trusted global brand, relied upon by professionals and households across Europe.

We are invested in your success — let's grow together.

MARKETING AND SERVICE SUPPORT

Our marketing team provides dealers with all the necessary tools — product photos, videos, POS materials, and online content — for effective promotion and sales.

We also offer staff training and clear technical documentation to simplify every step of your operations.



HIGH
QUALITY



WIDE CUSTOMER
SEGMENT



STAFF
TRAINING



AFTER-SALES
SERVICE



ATTRACTIVE
PARTNERSHIP TERMS



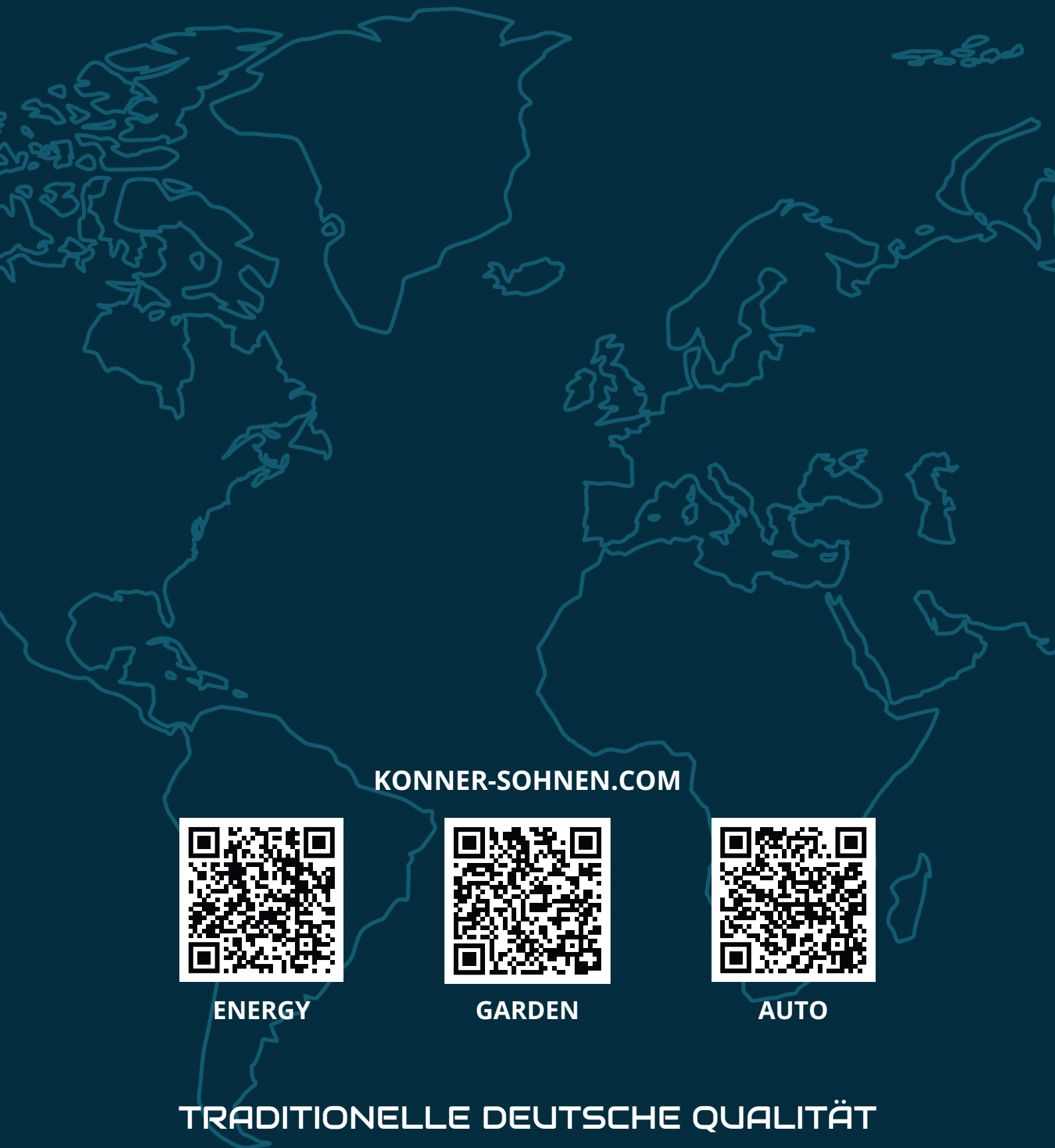
PRE-SALES
ACTIVITIES



COMPREHENSIVE
MARKETING SUPPORT



HIGH-QUALITY
TECHNICAL SERVICE



KONNER-SOHNEN.COM



ENERGY



GARDEN



AUTO

TRADITIONELLE DEUTSCHE QUALITÄT