

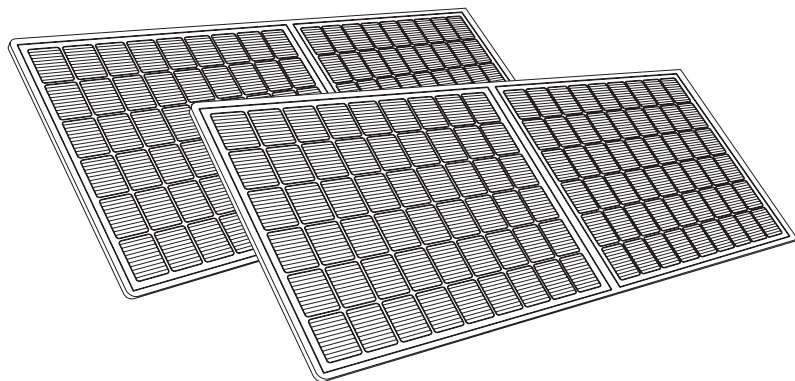
**Please, read this manual
carefully before use!**

Owner's Manual



Set of 2 Solar Panels 430W

KS SP430-HC





Thank you for opting for **Könnner & Söhnen®** products. This manual contains a brief description of safety, setup and use. More information can be found on the official importer's website in the support section: **konner-sohnen.com/manuals**

You can also go to the support section and download the manual by scanning the QR code or on the website of the official importer of **Könnner & Söhnen®** at **www.konner-sohnen.com**



*Please, read this manual
carefully before use!*

The manufacturer of **Könnner & Söhnen®** products reserves the right to make changes that may not be reflected in this manual, namely:

- The manufacturer reserves the right to make changes in the product design, configuration and construction.
- The images and drawings in this manual are for reference only and may differ from the actual components and inscriptions on the products.

Contact information that you are free to use in case of any problems can be found at the end of this manual. All information in this manual is correct to the best of our knowledge and belief at the date of its publication. The current list of service centers can be found on the official importer's website at **www.konner-sohnen.com**



ATTENTION – DANGER!



Failure to follow the recommendations marked with this sign may lead to serious injury or death of the operator or third parties.



IMPORTANT!



Useful information while operating the machine.

SAFETY INSTRUCTIONS

1



ATTENTION – DANGER!



DO NOT hit, throw, prick the product, squeezing or bending the product and protect it from falling down to avoid irreversible damage.

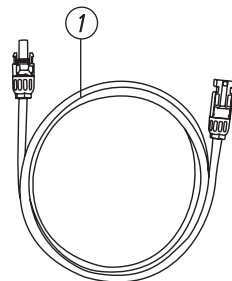
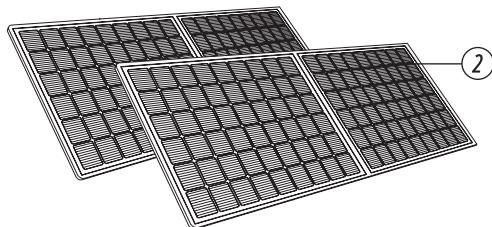
1. Only qualified professionals should install and/or replace the Solar panels.
2. Perform all electrical installations in accordance with local electrical codes.
3. Before installing or using a solar panel, read all instructions and technical parameters, compare the parameters with your system.
4. Do not attempt to repair the Solar Panel. If it fails, please contact technical support. Damaging or opening the Solar Panel will void the warranty.
5. Use of an attachment not recommended or sold by the product manufacturer may result in a risk of fire, electric shock, or injury to persons.
6. Do not use the product that is damaged or modified. Damaged or modified product may exhibit unpredictable behavior resulting in fire or risk of injury.
7. Do not operate the product with a damaged cord or plug, or a damaged output cable.
8. Do not disassemble the product. Take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.
9. Have servicing performed by a qualified repair person using only original replacement parts. This will ensure that the safety of the product is maintained.

10. Do not clean the solar panel with abrasive agents or harsh chemicals. Instead, use a soft cloth and mild detergent, and rinse with clean water to prevent residue.
11. Handle with care: The elements of this solar panel are highly fragile. Do not stand on the panel, bending, or subjecting it to any form of excessive force. Misuse or dropping the panel can cause serious damage.
12. Children should be supervised to ensure that they do not play with the panel.
13. Do not cover the panel with towels, clothing or other items.

COMPONENTS OVERVIEW

2

1. PV Cable 2M (4 pcs)
2. Solar panel (2 pcs)



IMPORTANT!



Manufacturer reserves the right to make changes and/or improvements in design, components set and technical attributes without notice and without incurring obligation. The pictures in this manual are schematical and may not match the parameters of original product.

SPECIFICATIONS

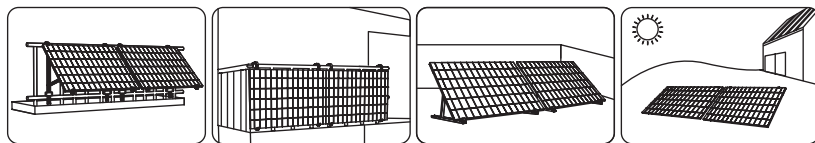
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Model	KS SP430-HC
Rated Maximum Power (Pmax)	430 W
Power Sorting	0 ± 5 W
Voltage at Pmax (Vmp)	31,88 V
Current at Pmax (Imp)	13,49 A
Open-Circuit Voltage (Voc)	38,49 V
Short-Circuit Current (Isc)	14,23 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	25 A
Fire Rating	Class C
PV Module Classification	Class A
Pmax/Voc/Isc Tolerance	±3%
Type	Half-cut cell type
Dimensions L×W×H (1 pcs)	1722×1134×30 mm
Net weight (1 pcs)	21,7 kg

- If you wish to verify and commission your solar system immediately, complete the installation when the weather is sunny.
- The intensity of sunlight must be high and the panel is should be as perpendicular to the light as possible.
- The actual power of a solar panel is affected by solar illumination, exposure angle and ambient temperature, so the difference between the nominal power and the actual power of solar panel charging is a normal phenomenon.
- During installation or removal, we recommend that at least two people work together.

SELECTING A LOCATION

The solar panel can be installed on the balcony or the ground. Different locations require different installation methods and accessories. Select an appropriate location before installing the solar panels.



NOTE



Please refer to the technical parameters to get the product size and select the appropriate location.

INSTALLATION

5



ATTENTION – DANGER!



Be sure to verify the voltage and current specifications of your Solar panel match with those of the Micro inverter or balcony solar systems' battery. Please refer to the data-sheet or user manual.



WARNING!



The maximum open circuit voltage of the Solar panel must not exceed the specified maximum input voltage of the inverter or balcony solar systems' battery.

See the ANNEX on page 18 for the installation diagram of the solar panels.



EC Declaration of Conformity

Nr. 185

The following products have been tested by us with the listed standards and found in compliance with the Low Voltage Directive 2014/35/EC.

Manufacturer: DIMAX INTERNATIONAL GmbH
Address: Flinger Broich 203, 40235 Duesseldorf, Germany
Product: Set of 2 Solar Panels 430W "Könner & Söhnen"
Type / Model: KS SP430-HC

The statement is based on a single evaluation of above mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo. The manufacturer should ensure that all product in series production are in conformity with the product sample detailed in this report. The applicant should hold the whole technical report at disposal of the competent all the right.

Applied EC Directives: 2014/35/EU Low Voltage

Applied Standards: EN IEC 61730-1:2018
EN IEC 61730-1:2018/AC:2018-06
EN IEC 61730-2:2018
EN IEC 61730-2:2018/AC:2018-06



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Fomin P.

P. Fomin

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USt-ID DE296177274
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We DIMAX INTERNATIONAL GmbH hereby declare that specified above conforms covering European Parliament and Council Directives, 2014/35/EC Low Voltage Directive of 26 February 2014. The CE mark above can be used under the responsibility of manufacturer. After completion of an EC declaration of Conformity and compliance with all relevant EC directives.

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