

CATALOGUE

2024

ENERGY
FOR THE FUTURE



SCAN THE QR CODE
AND GET TO KNOW THE
KENSOL BRAND



Kensol reserves the right to change data or offerings, and the catalog is for reference and may be updated without prior notice.

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WHY KENSOL?

- We are a Polish company created by experts full of passion and energy. Our mission is to ensure that comfort, the highest quality and efficiency reign in homes equipped with our products.
- Our portfolio includes photovoltaic modules, solar collectors, heat pumps, the Smart Home system and other devices for generating and managing electricity and heat through Renewable Energy Sources.
- We specialise in the production of photovoltaic (PV) and heating (HVAC) systems. Our offer is full of modern and integrated solutions that provide a sense of security and energy independence.



POLISH BRAND, POLISH WARRANTOR

We are a Polish company that has been on the market since 2014. As a result, we guarantee reliable and proven solutions.



HOTLINE AND REMOTE MONITORING

By connecting devices to an online platform, our service technicians are able to solve problems not only in person, but also remotely.



NATIONAL SERVICE

For customers using our products, we guarantee full support of factory service, as well as Authorized Service Partners who provide quality service at every stage of device use.



TRAINING

We provide product training with technical and sales elements.



R&D DEPARTMENT

The R&D team, based on market research and its own experience, introduces and modifies products to reverse customers' needs.



VIDEOS

We provide promotional and instructional materials to help you configure our products and learn about their full functionality.

BRAND HISTORY

2014

- establishment of the company
- production of the first Kensol solar collectors and storage tanks

2020

- first Kensol 330W BF and 320W PV modules

2022

- creation of a technical department for heat pumps
- creation of an APS network in Poland
- heat pumps with polish controller
- Hydrobox and hydraulic cabinet manufactured in Poland
- Kensol heat pumps on the BAFA list in Germany

2015

- first Kensol heat pumps

2021

- 390W Kensol shingled PV module

2023

- creation of an APS network in Germany
- sale of the first pumps on foreign markets
- First stand-alone HVAC trade fair Warsaw + ENEX trade fair
- Kensol at Construma trade fair in Hungary and trade fair in Lithuania
- Keymark certification for Kensol heat pumps

TECHNICAL DEPARTMENT - SERVICE

Kensol stands out in the industry thanks to its advanced technical department and comprehensive after-sales service.

The technical department is a team of experts, responsible for developing innovative solutions that respond to dynamic market needs and ensure the highest quality and efficiency of products.

Our offer includes a wide range of maintenance services that guarantee the continuous and trouble-free operation of equipment purchased from us. The Kensol service team, provides fast and efficient technical assistance, regular inspections and maintenance. As a result, our customers can count on the reliability and maximum performance of their purchased equipment. Our commitment to excellent customer service and technological precision makes us a leader in our industry.

CONTACT OUR PRODUCT MANAGER

1 PAULINA BLAZEL

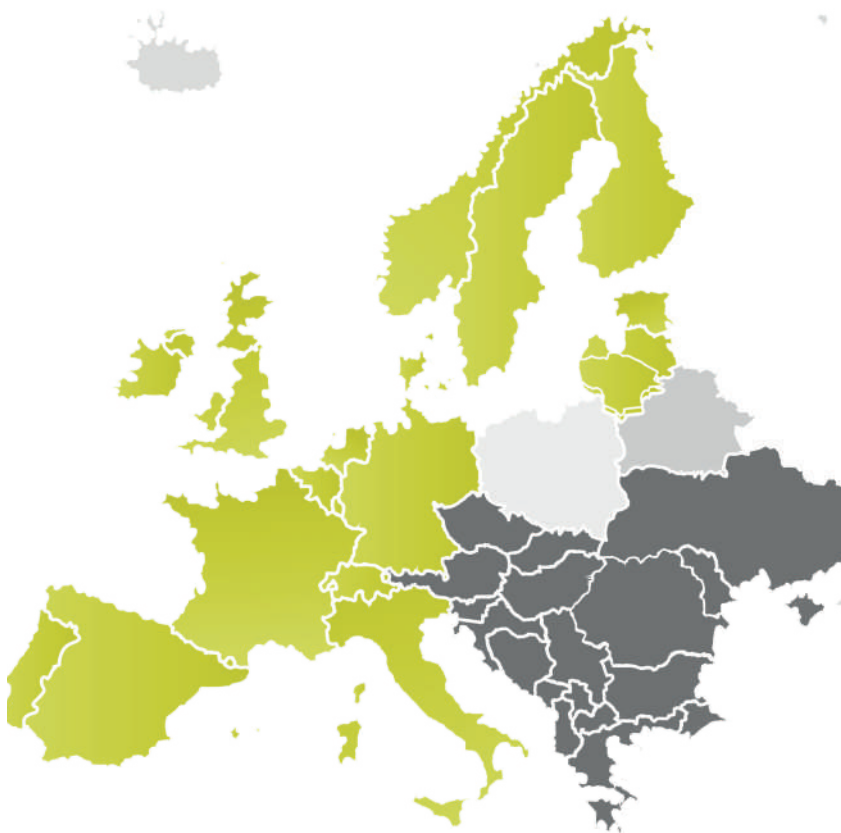
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TRAINING

Choose Kensol training courses and invest in your future. We offer a unique combination of technical and sales training, service training and practical installation workshops, so that our participants gain the comprehensive skills needed in the photovoltaic, heating and air conditioning industries.

Our offer includes:

- Technical and commercial training
- Service training
- Practical workshop on the installation of heat pumps
- Practical workshop on air conditioning installation



■ COMPREHENSIVENESS

We see how important it is for installers to have comprehensive solutions. It involves considering and optimizing the time and place of installation.

The combination of heat pump and Hydrobox has gained its great recognition among experienced plumbers and electricians.

All components are tested and prepared by the manufacturer, and the installer saves time spent on installation, space, and a 5-year warranty. With the use of the Hydraulic Cabinet, we additionally gain a tank placed in it, minimizing space. Its aesthetic design allows the Cabinet to be placed, for example, in the kitchen or hallway, so the user can fully abandon the typical boiler room.

■ R&D DEPARTMENT

Having a research and development department (R&D) is extremely important. It allows testing the solutions used in the products, conducting tests under non-laboratory conditions, under conditions close to or completely corresponding to the real working conditions of the devices.

Having an R&D department allows us to respond more quickly and efficiently to customer requests and counter potential defects. In addition, it improves the proper implementation of the changes and solutions being made.

■ HOW TO SELECT A HEAT PUMP?

The key is the correct selection of the power of the device which will provide adequate thermal comfort, operate economically and reduce the risk of failure.

Inadequately sized heat pump, with too little heating power in relation to the needs of the building, will not achieve the desired temperature, while a device with too much power will operate in short and frequent cycles, which will reduce the service life of the device.

Our experienced staff has developed a heat pump selection calculator that will select for you a product perfectly suited to your needs.

To obtain more information, please contact our official distributor for the UK and Ireland

+44 2035426292 or office@keno-energy.uk



HEAT PUMP R32

KTM 6kW-17kW



Kensol heat pumps with built-in independent Panasonic DC Twin Rotary compressor are equipped with EVI system which allows to obtain increased pressure of the refrigerant at the compressor output. They come with a 5-year warranty period from a Polish authorized service center and are created to ensure low power consumption.



Wi-Fi connectivity



TÜV certified



5 year warranty



Keymark certified
& MCS listed

KENSOL HEAT PUMP MODELS AVAILABLE:

- KTM **6kW**
- KTM **10kW**
- KTM **14kW**
- KTM **17kW**

AUTOMATIC PELLET STOVE

SVAROG ECOPELLET



The Kensol Svarog EcoPellet is a modern heating appliance that fulfils the high requirements of the Class 5 emissions standard. Thanks to its energy efficiency and low emissions of harmful substances. It is the ideal solution for anyone looking for an ecological and economical way to heat their home.



Polish Brand,
Polish Warrantor



5 year warranty



Platinum Pellet
control unit

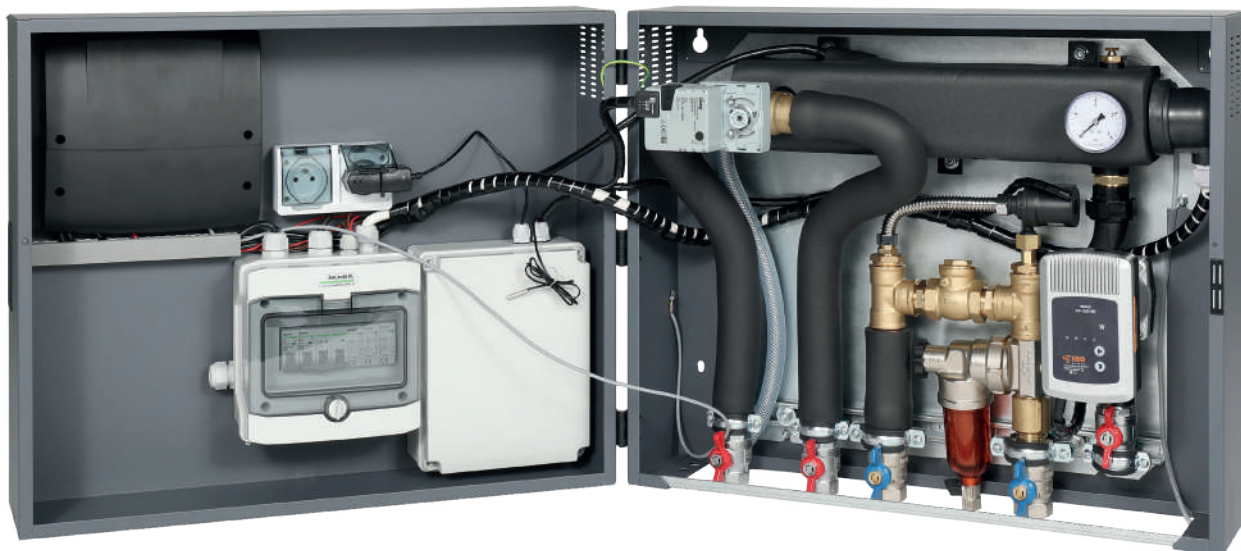


Automatic ceramic igniter

AVAILABLE MODELS OF SVAROG ECOPELLET STOVES:

- Svarog Ecopellet **16kW**
- Svarog Ecopellet **20kW**
- Svarog Ecopellet **25kW**
- Svarog Ecopellet **32kW**

| HYDROBOX KTHB 6kW-17kW



The KTHB hydrobox is a technologically advanced unit belonging to Kensol's line of hydroboxes. The KTHB model is made of the highest quality materials, which guarantees not only the performance but also the longevity and reliability of the unit. Thanks to the use of advanced technology and high-quality components, it is able to provide optimal performance under all conditions.

HYDROBOXES DEDICATED TO HEAT PUMPS:

- KTM 6 kW and 10 kW
- KTM 14 kW
- KTM 17 kW



Antifreeze system



Compact and aesthetically pleasing housing



Magnetic filter



3-stage flow heater with 6KW/9KW outputs

WHAT IS INSIDE?

- Controller and internet module
- Circulation pump
- Electrical protection
- 3-stage flow heater
- Anti-freeze protection with UPS
- Three-way valve
- Magnetic separator

| HYDROBOX UNIVERSAL



The KENSOL Universal Hydrobox is an innovative device which, thanks to its ease of use and installation, as well as its many features, is the ideal solution for those looking for modern and environmentally friendly heating and cooling methods. In addition, KENSOL assures its customers of the highest quality and reliability of the equipment, which guarantees complete satisfaction. The Universal Hydrobox is compatible with many heat pump models.



Compact and aesthetically
pleasing housing



6kW electric instantaneous
water heater

WHAT IS INSIDE?

- Flow heater 6 kW
- Thermal protection
- Safety valve
- Switchgear with fuses
- Pressure gauge
- Automatic air vent
- 3-way valve

I HYDRAULIC CABINET



The KENSOL hydronic cabinet is an innovative product that works with air-water heat pumps. The compact design of the device allows to compress almost the entire boiler room into an enclosed space with a volume of less than 1m³. The cabinet is equipped with plumbing and control fittings necessary for the proper and safe operation of the central heating system and hot water preparation in the building.



Base with a dimension of
600 x 600 mm



Polish Brand,
Polish Warrantor

WHAT IS INSIDE?

- Domestic hot water storage tank with a capacity of 190L
- Central heating safety group
- DHW safety group
- Anti-freeze protection
- Circulation pump
- Flow heater
- Water filter with softener
- Service and vent valves
- Rubber insulation of the lines
- Advanced control kit

TANKS AND BUFFERS

Kensol tanks and buffers are made of the highest quality materials, which guarantees their reliability and durability. They are available in a variety of capacities to suit individual user needs.



Comprehensive offer



High quality workmanship



Polish Brand,
Polish Warrantor



STANDING BUFFER WITHOUT COIL

The heat buffer is used to increase the volume of water in the installation and accumulation of heat produced by the heat pump. With spigots, additional heating devices can be connected to the system.

Available in 4 models:

- **KB100L**
- **KB200L**
- **KB300L**
- **KB400L**



VERTICAL WATER HEATER WITH TWO COILS

The vertical water heater serves to increase the water storage capacity of the system and to accumulate heat produced by the heat pump. Thanks to the spigots, additional heating appliances can be connected to the system.

Available in 4 models:

- **KTL300 MAXI 2W**
- **KTL400 MAXI 2W**
- **KTL500 MAXI 2W**



VERTICAL WATER HEATER WITH COIL

A device used to heat domestic water. It is characterised by its high efficiency, so it can supply a large amount of hot water in a short time.

Available in 3 models:

- **KTL200 MAXI**
MAXI vertical coil water heater
2m², 200L
- **KTL300 MAXI**
MAXI vertical coil water heater
3,4 m², 300L
- **KTL400 MAXI**
MAXI vertical coil water heater
4,5 m², 400L



STAINLESS STEEL HOT WATER EXCHANGER

The purpose of the exchanger is to supply domestic hot running water. The unit is designed for use with alternative energy sources.

Available in 2 models:

- **KTNW200**
200 Stainless steel DHW exchanger for heat pumps/spiral coil 2,6m²/grzałka 3kW
- **KTNW300**
300 Stainless steel DHW exchanger for heat pumps/spiral coil 3,1m²/grzałka 3kW

Full technical documentation can be found on our website:



| ACCESSORIES

Kensol's offering is fully comprehensive. A wide range of accessories necessary for the proper operation of the systems provides many options. In addition, all our products come with a warranty.



Comprehensive offer



Polish Brand,
Polish Warranty



RSKEN2SITT

Magnetic dirt separator with filter and GZ 1 rotary head

The magnetic dirt separator captures any impurities from the system, ensuring a suitable working environment and protecting the heat pump. Built-in valves for easy cleaning and maintenance. Equipped with a 500 µm filter mesh.



KSSEP54

GZ 5/4" Magnetic dirt separator

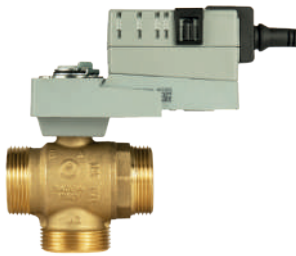
The magnetic dirt separator captures any impurities from the system, ensuring a suitable working environment and protecting the heat pump. Easy cleaning and maintenance. Equipped with a 800 µm filter mesh.



945 01 001

G 1" 3-way diverter valve

The valve is used to switch the heating system between central heating and domestic hot water. The KVS factor is 8 m³/h.



KS3D54

G 5/4" 3-way diverter valve

The valve is used to switch the heating system between central heating and domestic hot water. The KVS factor is 11.3 m³/h.



KS6GP and KS9GP

Flow heater 6 kW and 9 kW

3-stage flow heater with overcurrent protection and a thermal switch.



KSD25 and KSD32

Anti-freeze DN 25 and DN 35 valve for monoblock heat pumps

Device used in outdoor water system to protect monobloc pumps from water freezing. It works by draining water from pipes when dangerously low temperatures are detected.



P-01-00

Frame for heat pump

The frame is used to raise the heat pump to the appropriate height from the ground surface. The design ensures stable seating of the unit, and the adjustable spacing allows use with many heat pump models



KSUPM3 25-75

25-75 Grundfos 2-12 L/min
Solar pump group

A solar pump group is a device that acts as the plumbing in solar systems that use solar energy to produce hot water or to help heat buildings.

| SWIMMING POOL PUMPS KTB



The 7-20kW pool heat pump is ideal for direct heating and cooling of pool water. Reliable Panasonic rotary compressor with a titanium exchanger that ensures safe operation of the device even in contact with salted or chlorinated water.



Panasonic compressor



Smooth operation
from -7°C to 43°C



Quiet operation

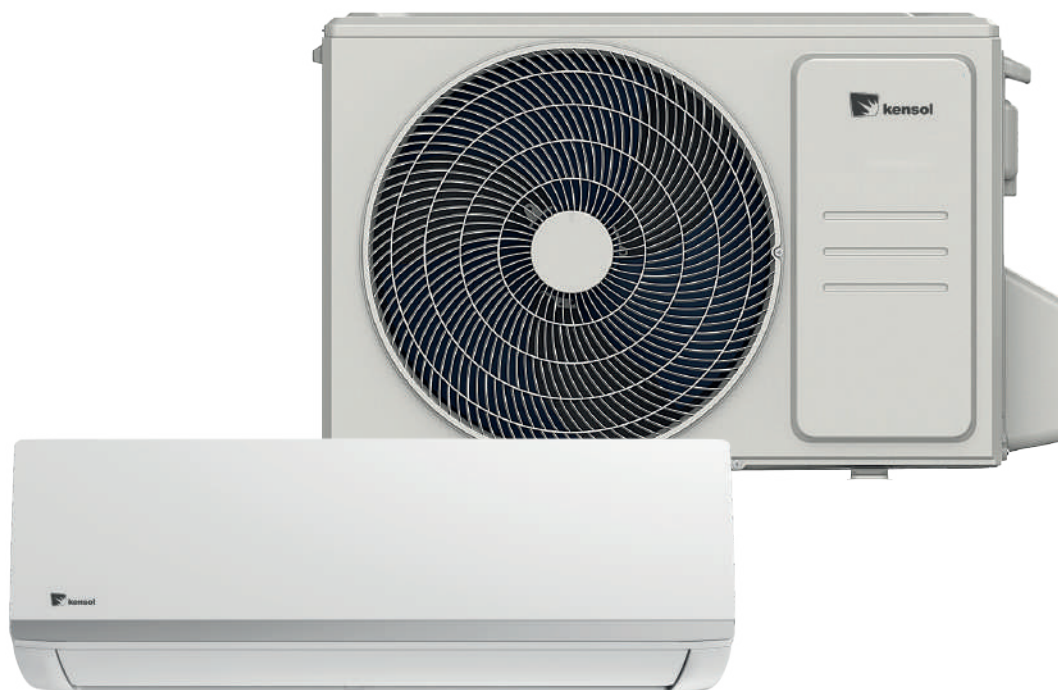


Exchanger made of titanium
resistant to chlorinated
and salted water

KENSOL POOL PUMP MODELS AVAILABLE:

- KTB **7KW**
- KTB **20KW**
- KTB **11KW**

| VELES WALL AIR CONDITIONER



Veles is Kensol's wall-mounted air conditioner series, which offers unit models ranging from 2.6 kW to 7 kW. Thanks to state-of-the-art technology, these units provide quiet operation, particularly appreciated in homes and offices, but above all comfortable temperatures on both hot and cold days.



Polish Brand,
Polish Warrantor



7 year warranty



Wi-Fi connectivity



Environmentally friendly
refrigerant R32



i-Clean function

VELES AIR CONDITIONER MODELS AVAILABLE:

- VELES **2,6**
- VELES **3,5**
- VELES **5,3**
- VELES **7**

| SOLAR COLLECTORS



Solar collectors are a solution to obtain energy from the sun in an environmentally friendly and cost-effective way. Thanks to high-quality components and advanced manufacturing technology, Kensol solar collectors are characterized by high efficiency and long service life.



High-performance
absorber coating



TÜV certified



5 year warranty



Copper absorber

SOLAR COLLECTOR MODELS AVAILABLE:

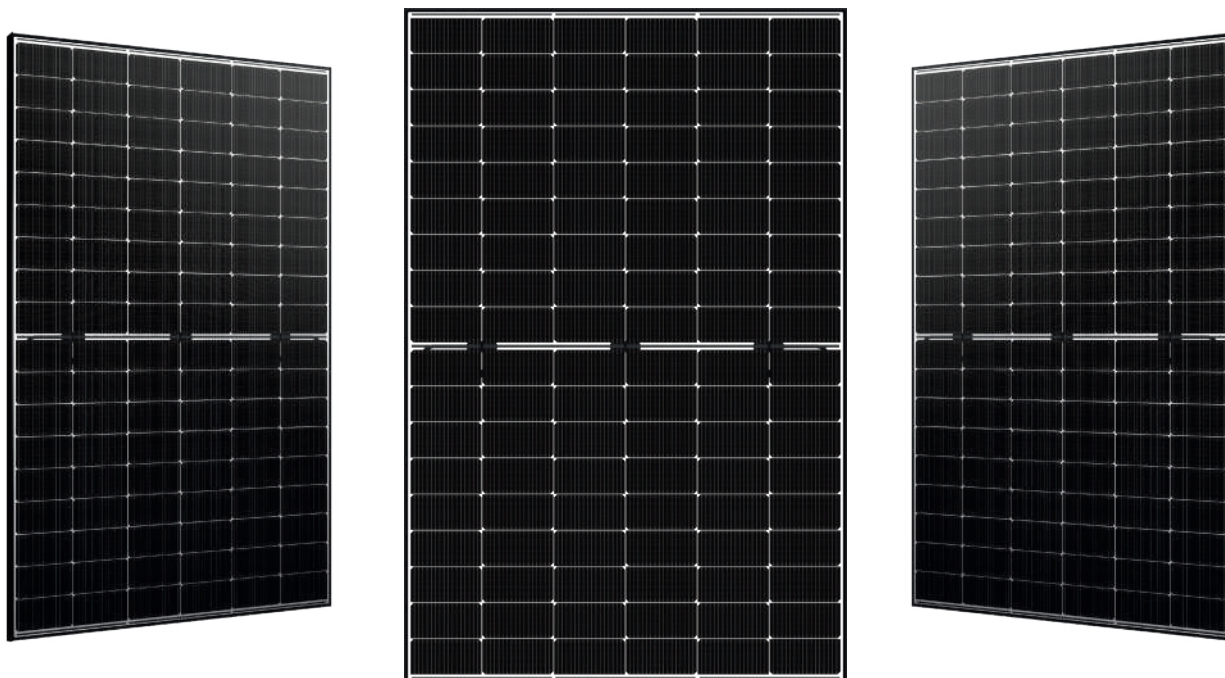
- KS-58/1800-18

- KS-58/1800-30

- KS-58/1800-22



I PV MODULES



Kensol's modules are available in a variety of sizes and powers to suit individual customer needs. Their high energy efficiency and durability guarantee long service life and minimal energy loss.



Polish Brand,
Polish Warrantor



More power at
a standard size



National service



Bifacial
technology



Optimisation of installation
costs

KS435MNHT-BI

Bifacial technology
Frame: black
Dimensions: 1722x1134x30
Warranty: 30 years

POWER: 435W

Electrical properties of STC*	
Module type	KS435 MNHT-BI
Testing conditions	Front side
Peak power (Pmax) (W)	435
MPP voltage (Vmp) (V)	32.5
MPP current (Imp)(A)	13.39
Open circuit voltage (Voc)(V)	38.4
Short-circuit current (Isc)(A)	14.18
Module efficiency (%)	22.27

**STC: Radiant intensity 1000 W/m2, cell temperature 25°C, AM1.5 The above data are for illustrative purposes only and the actual data are in accordance with practical tests Power measurement tolerance ±3%.

KS440MNHTR3-BI

Bifacial technology
Frame: black
Dimensions: 1762x1134x30
Warranty: 30 years

POWER: 440W

Electrical properties of STC*	
Module type	KS440 MNHTR3-BI
Testing conditions	Front side
Peak power (Pmax) (W)	440
MPP voltage (Vmp) (V)	33.33
MPP current (Imp)(A)	13.20
Open circuit voltage (Voc)(V)	38.77
Short-circuit current (Isc)(A)	14.00
Module efficiency (%)	22.02

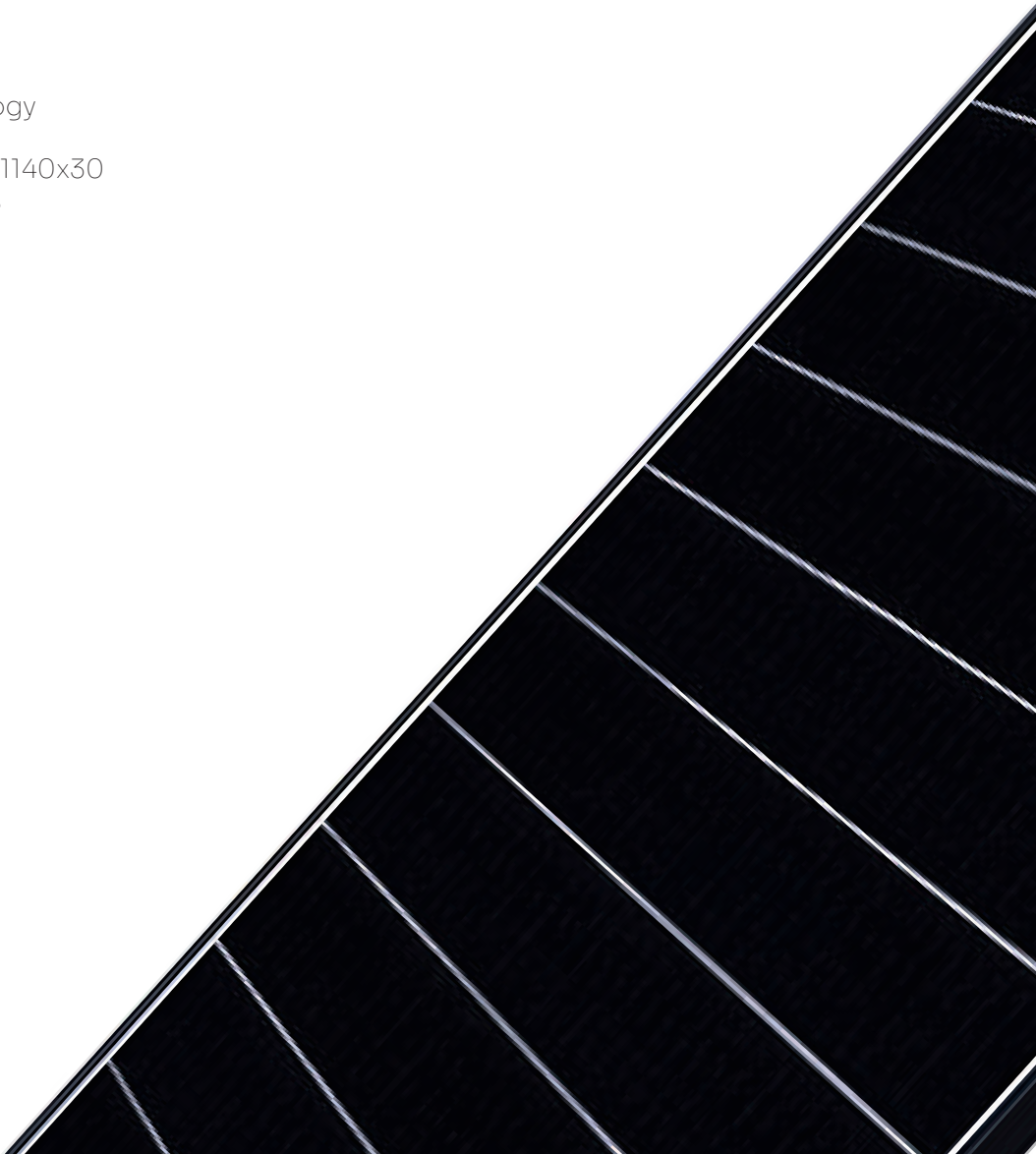
**STC: Radiant intensity 1000 W/m2, cell temperature 25°C, AM1.5 The above data are for illustrative purposes only and the actual data are in accordance with practical tests Power measurement tolerance ±3%.

Kensol modules use special glass to increase transparency. The double-sided modules can generate up to 30% more energy compared to traditional panels.

KS410MB5-SBS

Shingled technology
Frame: black
Dimensions: 1719x1140x30
Warranty: 25 years

POWER: 410W



SMART EMS

Your energy management system! ⚡



Smart EMS is an innovative device for intelligent energy management in a building. It allows the use of three independent measurements from meters or inverters. In this way, the use of the energy generated by the photovoltaic installation can be optimised and efficient.



3-year warranty



Wi-Fi connectivity



Increasing self-consumption



ModBUS RTU module

The main objective of the Smart EMS is to increase self-consumption, which has a real impact on reducing electricity costs. In addition, the device controls the voltages on the individual phases of the installation, minimising the risk of inverters shutting down.

AUTOCONSUMPTION

Independent use of generated energy

CONTROL

Built-in, automated system operation scenarios to optimise energy management based on input data

PREVENTION OF EXEMPTIONS

Automatic response to surges and inverter shutdowns.

FLEXIBLE CONFIGURATION

Can communicate with bidirectional counter and inverter



| SEE OUR SHOWROOM



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