

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

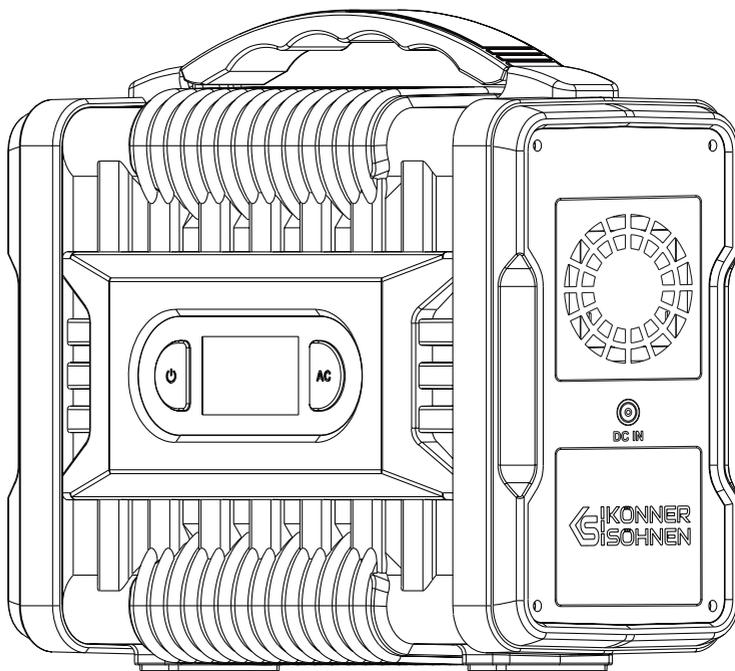
Owner's Manual



Portable power station

KS 100PS

KS 200PS





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

You can also go to the support section and download the full version of the manual by scanning the QR code, or on the website of the official importer of Könnér & Söhnen products: www.konner-sohnen.com



We care about the environment, therefore, we consider it expedient to save paper and leave in print a short description of the most important sections.



Be sure to read the full version of the manual before getting started!



Manufacturer reserves the right to make alterations into the generators, which may not be reflected in this manual. Pictures and photos of the product may vary from its actual appearance. At the end of this manual, You may find contact information which you are free to use in case of any issues occurrence.

All data, specified in this operation manual is the most up to date for the moment of its publishing. The current list of service centers you can find at the website of official importer: 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.



ATTENTION – DANGER!



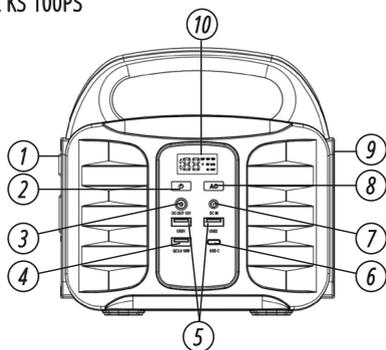
This product user manual is universal for portable power stations with 230V/50Hz AC output.

Thank you for purchasing our portable power station. In case of power failure or you need to charge your devices on a travel, you can use this unit. This provides USB, DC and AC output. It can keep your laptops, lights and other appliances going for extra hours longer. Before using this unit, please read the user manual carefully and keep it for reference.

THE UNIT PROVIDES MODIFIED SINE WAVE OUTPUT

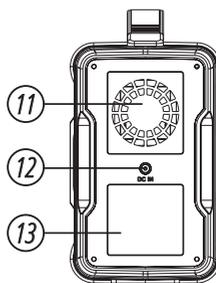
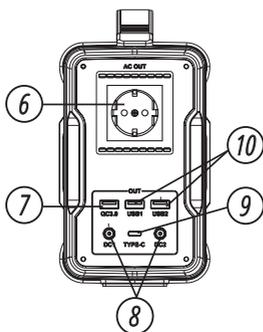
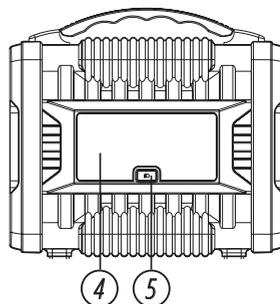
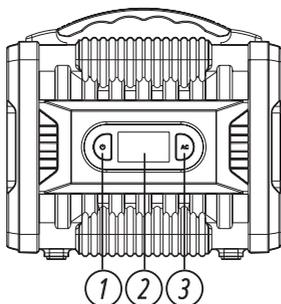
The unit provides Modified Sine Wave output, and can be used as a power source for insensitive AC power consumers (power < 150W for model KS 100PS and < 200W for model KS 200PS). However, anything that uses an AC motor isn't going to work to full capacity on a modified sine wave.

MODEL KS 100PS



1. AC Output
2. Main power switch
3. DC Output
4. QC 3.0 Output
5. USB Outputs
6. Type-C Output
7. DC Input
8. AC Output switch
9. LED
10. Display

MODEL KS 200PS



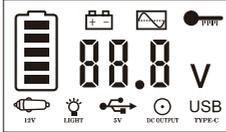
1. Power ON/OFF. Battery check
2. LED display
3. AC ON/OFF
4. Led lamp
5. Led Lamp. ON/OFF
6. AC outlets. Qualcomm quick charge 3.0
7. USB 5-9V/2A Max Qualcomm quick charge 3.0

8. DC12V putput. 2 x 5.5 mm x 2.1 mm
9. TYPE-C 5-9V 2A. Qualcomm quick charge 3.0
10. 2 x USB 5V/2.1A Output
11. Fan
12. DC IN 15V/3A
12. Technical parameter

SPECIFICATIONS

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Model	KS 100PS	KS 200PS
Rated power	100W, Peak 150W (3-5 sec)	200W, Peak 320W (3-5 sec)
Capacity	155Wh 14Ah/11.1V (42000mAh, 3.7V)	222Wh, 20Ah/11.1V (60000mAh, 3.7V)
Battery Type	high quality lithium-ion batteries	
Charge input	15V/2A	15V/3A
AC Output	230V/50Hz (Modified Sine Wave)	230V/50Hz (Modified Sine Wave)
DC Output	9-12.5V/10A (15A Max)	2 x 9-12.5V/10A (15A Max)
USB Output	2x5V/2.1A Max	2x5V/2.1A Max
QC 3.0	5-9V/2A	5-9V/2A
Type-C Output	5-9V/2A (PD18W)	5-9V/2A (PD18W)
LED Flashlight	+	+
Dimensions (LxWxH), mm	186x107x180	213x106x180
Weight, kg	1.6	2.4
Working Temp	-10 °C + 40 °C	-10 °C + 40 °C



LED DISPLAY

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PRODUCT INSTRUCTION

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1. FOR MODEL KS 200PS. HOW TO PROVIDE POWER FOR DC 12V APPLIANCES (SUCH AS LAMP, FAN...) WITH THIS PRODUCT?

Plug your appliances to the 5.5mm x 2.1mm DC output port, press "⏻" to switch on DC output and hold the button for 3s to switch off.



NOTICE!



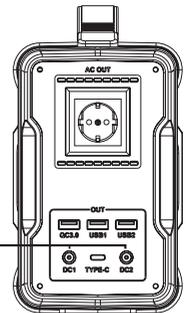
Please confirm whether your DC 12V appliance supports charging with 5.5mm x 2.1mm DC interface.

(The diameter of the DC Port of the Product is: 5.5mm), otherwise it is unable to connect to the DC output. You can consult the electrical manufacturer to buy the corresponding adapter and connect to it.

5.5mm DC jack for fan or LED lights (Current < 10A, Peak current: 15A)

Or charge car kits via DC to cigarette lighter connector

Support 5.5mm DC12V car kits with DC- Cigarette Lighter Adapter, such as Vacuum Cleaner, Inflation Pump, Electric wrench, fridge. Etc. (Current < 10A, Peak current: 15A)



PROTECTION MODE:

Short-circuit/Overpower Protection: If the DC output is short-circuited, the unit will shut down to protect itself. Please solve the problem and restart.

If the DC output is overpowered (Load(s) power > 150W) the unit will shut down to protect itself too. Please unplug your device from the unit in time.

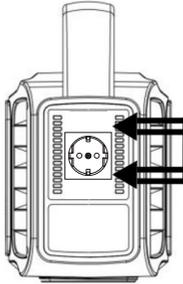


NOTE



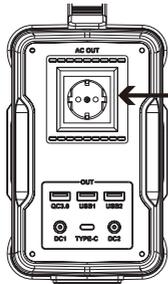
The 12V DC output voltage is ranged between 9V~12.5V, and the maximum output current is 15A.

DC output voltage drops while battery capacity drops due to chemical characteristics of the battery. If your appliance does not have built-in input voltage stabilizing function, it may shut down when input voltage is too low. Please unplug your device from the unit in time, and recharge the portable power station immediately.



2. HOW TO PROVIDE POWER FOR AC APPLIANCES WITH THIS PRODUCT?

Connect the power cable plug of the electrical appliance to the AC outlet of the product, press and hold "AC" for 3s to switch on the power and the unit will start providing power to your appliances. Press and hold the button for 3s to switch off.



Limited Appliance Wattage (for model KS 100PS < 150W, for model KS 200PS < 200W), Lamp, Electric Fan, TV, etc. AC will shut down when it's short circuited or when the power is overloaded. Remove the device and the unit will recover from short-circuit or overpower protection in a few seconds. Repress the AC output button to switch on AC output again.

When the AC port is not in use, turn it off to save power.

PROTECTION MODE:

Short-circuit / Overpower Protection: If the AC output is short-circuited or overpowered (Load (s) power (for model KS 100PS >150W, for model KS 200PS < 320W)), the unit will shut down AC output to protect itself. Please clear the problem and re-press the AC output button to switch on AC output again.

Some devices, such as refrigerator, ice maker or a laser printer may require a surge power to start or work during a certain period, the surge power could exceed (for model KS 100PS - 150W, for model KS 200PS - 320W) or even higher, this could cause overpower protection with this unit. Please remove the devices and consult the device manufacturers for more information. Please clear the problem and re-press the "AC" button for AC output.

3. HOW TO PROVIDE POWER FOR USB DIGITAL APPLIANCES WITH THIS PRODUCT?

Connect the standard USB cable of digital appliance to the USB output of the unit, press "⏻" to turn on USB output. Press and hold the button for 3s to switch off.

QUICK CHARGE OUTPUT:

Qualcomm Quick Charge 3.0 Technology: This product supports Qualcomm quick charge 3.0 output, supports 5V~9V/2A max output for smart devices that supports Qualcomm quick charge 3.0. The actual output voltage and current depends on the actual smart devices (for model KS 100PS see fig. 1 in Annex).

PD TYPE-C (FOR MODEL KS 100PS):

PD Type-c port input 5V/2.4A 9V/3A 12V/3A 15V/3A 20V/3A, for smart devices such as mobile phones or tablets that also support the PD fast charge protocol for fast charging endurance. When in use, you must press the "Power On Key" screen to light up for normal output charging (Fig 1 in Annex).

When using the Type-c port, you must press "Power On Key" to Normal charging when the screen is on.

4. HOW TO USE THE LAMP (FOR MODEL KS 200PS)

This unit is built with a bright LED light. Press “” to switch on the lamp and re-press this button to choice mode: Flashlight--> Blink Mode--> SOS mode--> switch off, or press and hold “” 3s to switch off.



WARNING!



Do not point directly at human eyes in case of any damage due to the strong light.

5. HOW TO CHARGE THE UNIT (FIG.2 IN ANNEX)?

Charge through AC Wall Charge: Using the included AC Wall Charger, plug the unit into any wall outlet to charge the unit. For model KS 100PS When the screen number reaches 100%, the product is fully charged.

For model KS 200PS you will know the unit is being charged when “” is blinking. The unit is fully charged when “” stop blinking. After the unit is fully charged, please remove the AC wall charger in time.

Charge from Solar panel (fig. 3 in Annex)

(for model KS 200PS is recommended to choose 18V/35W-40W solar panels):

Place your solar panel where it will get as much direct sunlight as possible. Plug the output of the solar panel into the input of the unit to start charging. For model KS 100PS you will know the unit is charging when the blue LED Battery Indicator lights up and blinks. The unit is fully charged when all battery indicators stop blinking and remain solid.

For model KS 200PS you will know the unit is being charged when the “” is blinking. The unit is fully charged when “” stop blinking.

DC port 12V /50W output used to charge 12V car and home appliances for model KS 100PS (fig 4 in Annex).

When using the DC port output, you must press the “Power On Key” screen to light up normal output charging.

Charge from your car with a 12V cigarette lighter.

Using the included car charger, plug the unit into a 12V cigarette lighter (car port) of your car. You will know the unit is charging when “” is blinking. The unit is fully charged when “” stop blinking.



ATTENTION!



To avoid car battery power loss, charging this unit through your car cigarette lighter is only available when your car engine is started.

SECURITY AND MAINTENANCE

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1. Do not short-circuit the unit. To avoid short-circuiting, keep the unit away from all metal objects (e.g. coins, hair-pins, keys, etc.)
2. Do not heat the unit, or leave it in fire, water or other liquids. Keep it away from high temperatures. Do not expose the unit to direct sunlight.
3. Keep away from high humidity, dusty places.
4. Do not disassemble or reassemble this unit.
5. Do not drop, place heavy objects on, or allow strong impact to this unit.
6. This appliance is not intended for people(including children) with physical, sensual or mental issues, or people who lack related experience and knowledge, unless they have been given supervision or instruction by a person responsible for their safety.
7. Children should be supervised to ensure that they do not play with the appliance.
8. Do not cover the device with towels, clothing or other items.
9. The unit may get hot during charging. This is normal. Be careful when handling.
10. Do not overcharge the unit .
11. Disconnect the unit when it is fully charged.
12. Use the unit properly to avoid electronic shock.

13. Please deal with scrap products in accordance with the regulations, do not take the built-in battery as a household garbage, in case of any explosion and pollution.
14. The product is only used for emergency, it cannot replace the standard DC or AC power of household appliances or digital products.

PRODUCT APPLICATION SKILLS

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1. This product has high-quality built-in original lithium-ion battery, high-capacity, and it is durable. However, we still recommend you to apply between 10C°~30C°, in order to obtain the optimal charging capacity.
2. When charging, in order to avoid interference, please keep it away from TV, radio and other devices.
3. If the device has not been used for a long time, please disconnect the cable and store it well.
4. Some portable devices may need to be set in charge mode to charge, see the corresponding equipment manual for more information.
5. In order to extend the product's life (lithium battery), it is best to charge it within 3 months, and charge at least once within 6 months.

COLD WEATHER USAGE

If you `ll be living off grid in sub-zero conditions, we recommend placing the power station in a place with the recommended operating temperature.

RECYCLE

Always return your used electronic products, batteries, and packaging materials to dedicated recycling places.

BATTERY INFORMATION

Your device has a built-in, non-removable, rechargeable battery. Do not attempt to remove the battery, as you may damage the device.

WARRANTY SERVICE TERMS

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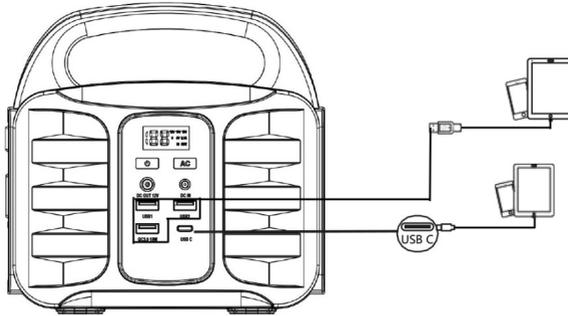
The international manufacturer warranty is 1 year. The warranty period starts from the date of purchase. In cases when warranty period is longer than 1 year according to local legislation please contact your local dealer. The Seller which sells the product is responsible for granting the warranty. Please contact the Seller for warranty. Within the warranty period, if the product fails because of defects in the production process, it will be exchanged on the same product or repaired.

All faults caused by the manufacturer during the warranty period will be eliminated free of charge. Warranty repair is carried out only if you have a fully completed warranty card, the Buyer's signature of acceptance of the warranty terms, as well as a document supporting the purchase (cash receipt, sales slip or invoice). In the absence thereof, as well as in the event of errors or corrections not authenticated by the seller's seal or illegible inscriptions in the warranty card or tear-off coupon, no warranty repair is carried out, no objections to quality are accepted and the warranty card is withdrawn by the service center as invalid. The device is accepted for repair clean and full.



Fig. 1

MODEL KS 100PS



MODEL KS 200PS

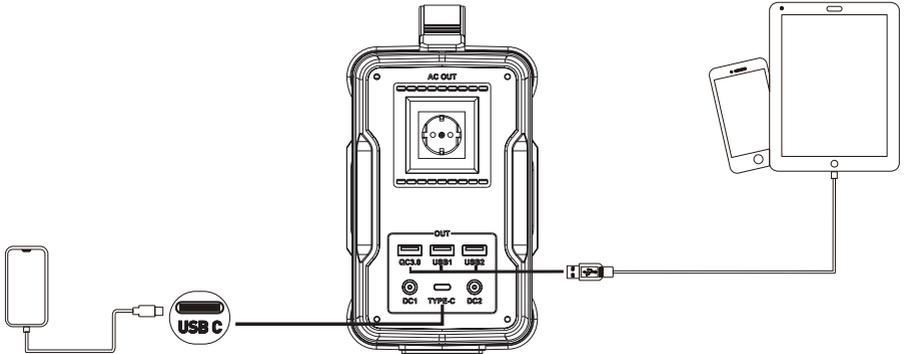
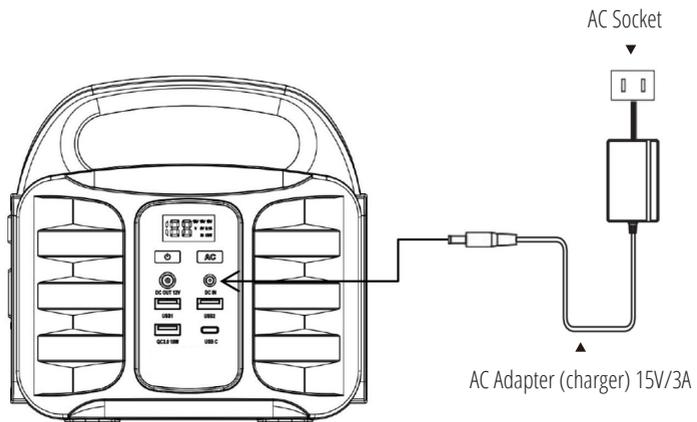


Fig. 2

MODEL KS 100PS



MODEL KS 200PS

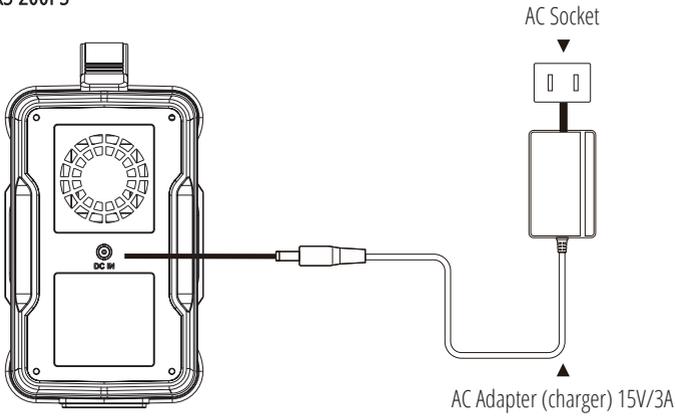
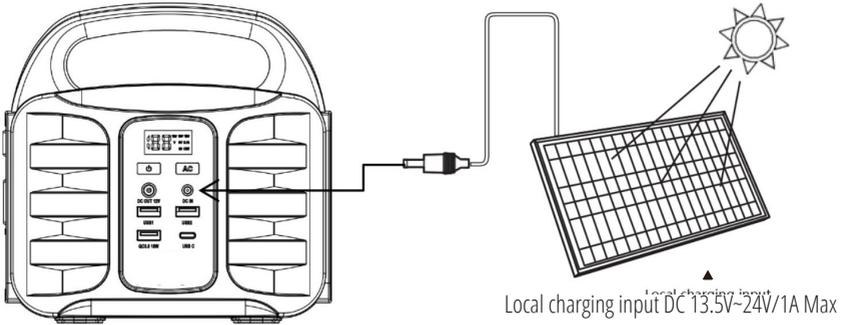


Fig. 3

MODEL KS 100PS



MODEL KS 200PS

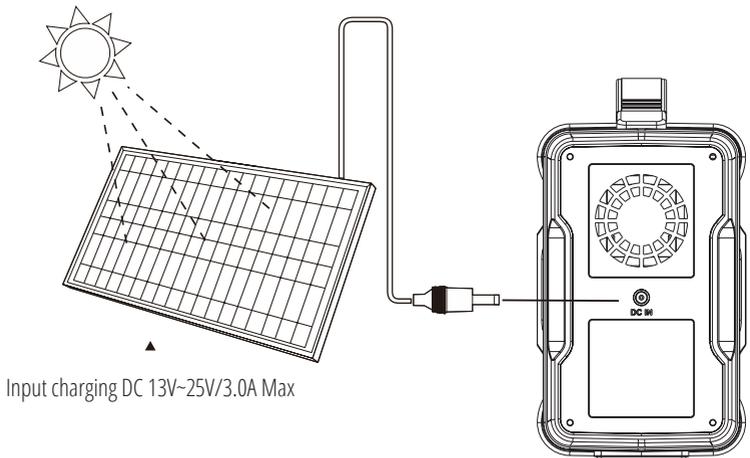
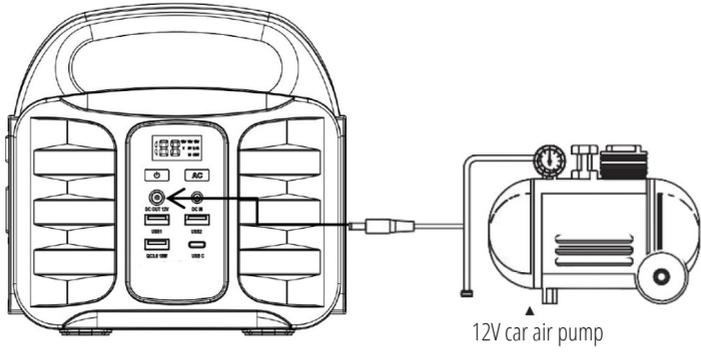


Fig. 4

MODELL KS 100PS



12V car air pump



EC Declaration of Conformity

Nr. 125

The following products have been tested by us with the listed standards and found in compliance with the European Community Electromagnetic compatibility Directive (EMC) 2014/30/EC.

Manufacturer: DIMAX INTERNATIONAL GmbH
Address: Flinger Broich 203, 40235 Duesseldorf, Germany
Product: Portable power station "Könner & Söhnen"
Type / Model: KS 100PS, KS 200PS

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: 2014/30/EC Electromagnetic compatibility Directive (EMC)
Directive 2011/65/EU as last amended by
Directive (EU) 2017/2102

Applied Standards: EN 62133: 2013
EN61000-6-3:2007/A1 :2011/AC:2012
EN61000-3-2:2014
EN61000-3-3:2013
EN61000-6-1 :2007
IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013,
IEC 62321-6:2015, IEC 62321-7-1:2015,
IEC 62321-7-2:2017, IEC 62321-8:2017



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USt-Id-Nr: DE296177274

We DIMAX INTERNATIONAL GmbH hereby declare that specified above conforms covering European Parliament and Council Directives, 2006/42/EC of 17 May 2006 Machinery Directive, Electromagnetic compatibility Directive (EMC) 2014/30/EC 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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