Before use, read this instruction manual carefully and keep it for future reference. Producer does not claim responsibility for damages caused by inappropriate handling and use of the product.

SAFETY INSTRUCTIONS

- KEMOT PROsinus emergency power supply is designed for household and office use. Do not use this device with specialized equipment or apparatuses (e.g. industrial, medial equipment).
- Do not overload device. Operating this device with load higher than nominal may lead to damaging this device.
- Note: Device may work on overload for a short period of time.
- Do not disassemble this device nor open the housing. High voltage might be still present on the inside elements of the device, even after it has been switched off.
- Do not use this device if it is not working properly. In such case, turn the device off immediately, disconnect it from power supply mains and switch the Battery switch to OFF.
- Any repair can be carried out in an authorized service point exclusively.
- In case of fire, use only dry powder extinguisher. Using water or other types of fire extinguishers can lead to electrocution.
- Position the device vertically, in a properly ventilated place with suitable temperature. Warning: do NOT cover cooling fan of the device; it may lead to overheat.
- Protect this device from water, humidity as well as sources of heat and direct sunlight.
- Before use, make sure the device is properly grounded.
- Power supply socket should be easily accessible and located near the appliance.
- Warning: Inappropriate use of the device may lead to fire or electrocution.

To estimate operation time in case of power-cut, when the external device is supplied with built-in battery of this emergency power supply device, refer to formula below:
100 W of load = → 10 A current consumption from the battery

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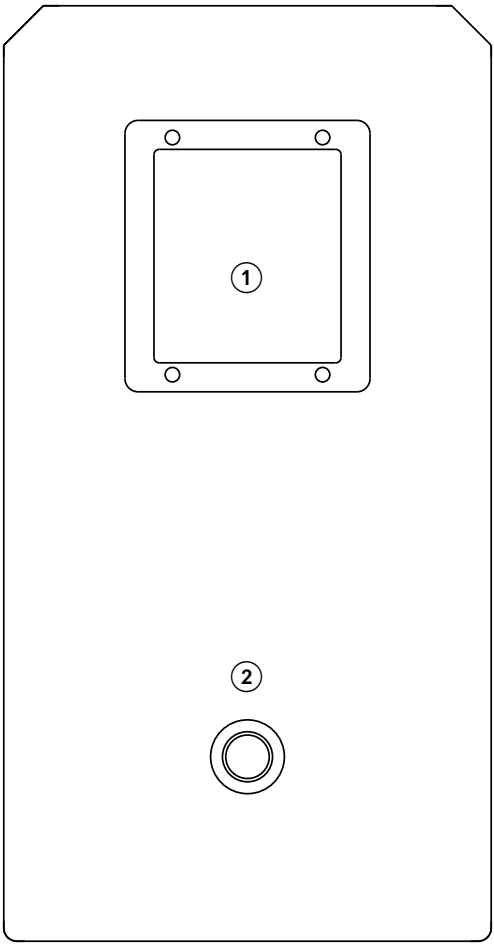
Example: having in mind that built-in battery capacity of the URZ3424 is 55 Ah, then with 100 W load estimated operation time is around 55 Ah/10 A≈ (around) 5,5 h.

FEATURES

- KEMOT inverter with pure sine wave serves as an emergency power supply device for equipments such as: central heating furnace, TV, refrigerator, induction stove, electric fans, etc.
- Wide range of input voltage, high degree of output voltage accuracy, automatic voltage regulation.
- Build in protection from overload, short circuit, overvoltage, undervoltage, overheat.
- LED display with current state indicators.

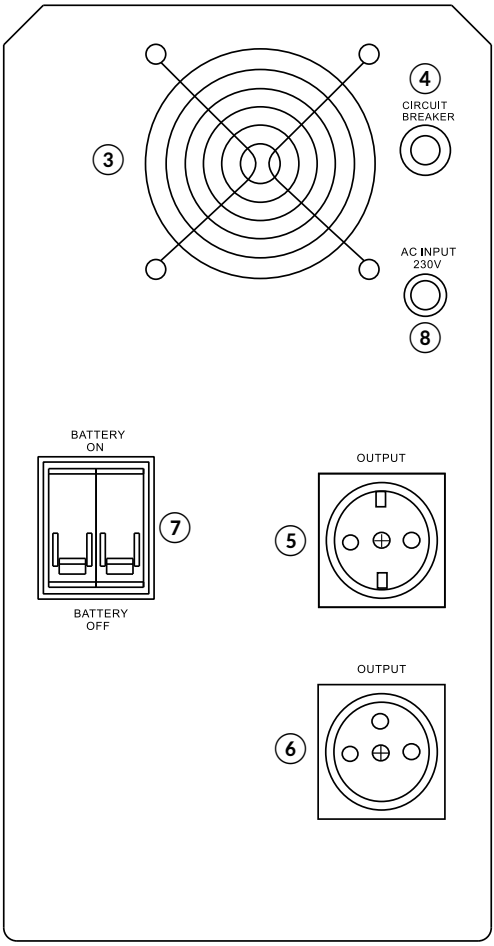
PRODUCT DESCRIPTION

Front panel



1. Display
2. Power button (to switch the device on, press and hold the button for 3 seconds).

Rear panel



3. Cooling fan
4. Circuit breaker (overcurrent protection)
5. Output socket (German type)
6. Output socket (French type)
7. Battery switch
   - Switch to BATTERY ON before turning the device on.
   - To save power, user can turn off the battery (switch to BATTERY OFF)
   - For safety reasons, in case of improper operation, switch to BATTERY OFF!
8. Power supply mains input 230 V

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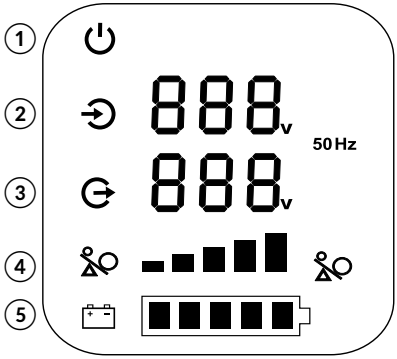
Display

1. Power supply indicator 230 VAC
2. Input voltage indicator
3. Output voltage and frequency indicator
4. Load indicator
5. Battery bar (the bar will flash while charging)



Battery mode: power cut; external device is supplied from battery.

Overheat. External device is automatically cut off.

Unusual/improper operation.

Overvoltage.

Undervoltage.

Load indicator—red signals overload

Load indicator – blue signals proper load

Radio frequency interference
This product may not work properly if it's placed in vicinity of equipments using radio waves. Place this device away from such equipment to avoid electric interference.

INSTALLATION

Note: due to risk of inappropriate installation, battery installation and maintenance should be operated by qualified technical personnel.

OPERATION

Before plugging this device to power supply mains, make sure that:
- this device is placed in a well ventilated location,
- it is properly grounded,

Note:
- after plugging the device to power supply, output sockets will be under electricity immediately, even when the equipment is powered off.
- do not connect this device to overloading equipment (e.g. hair dryer, vacuum cleaner, etc).

Important!
Device overload will be signalized with sound signal. Please reduce device load and restart the inverter.

Sound signaling
- Four sound signals: power cut; automatic switch to emergency power supply;
- Sound signal every 1 second: low battery level or overload;
- Rapid sound signals: improper operation, failure.

Switching off
- Disconnect the external device,
- Use the inverter power switch to turn it off,
- Move the battery switch to OFF.

STORAGE

- If the device is not going to be used for a longer period of time, power it on and use it with connected load regularly. Remember that battery switch needs to be in ON position.
  - at least once in 4 months for 12 hours - if the storage temperature is lower than 25°C.
  - at least once every 2 months for 12 hours - if the storage temperature is higher than 25°C.
- IMPORTANT: do not store the device with completely discharged battery. If the device is not going to be used for a longer period of time, connect the device to power supply mains until the built-in battery is fully charged. Before storing, make sure the device has cooled down before storing.

CLEANING

Clean this device with soft, dry cloth. Do not use any chemical agents to clean this product. Before cleaning, make sure the device is switched off and disconnected from the power supply.

SPECIFICATIONS

Nominal power	500 W
Overvoltage protection point	15 VDC
AC Input voltage	180~275 VAC
AC Input frequency	45~60 Hz
AC Output voltage	230 VAC ±8%
AC Output frequency	50/60 Hz ±0,5 Hz
AC Output waveform	Pure sine wave
AC output efficiency	≥ 85% (DC to AC)
Built-in battery	55 Ah, 12 V
Charging current	Max. 10 A
Conversion time	≤ 4 ms
Protections	Overload, short circuit, overvoltage, undervoltage
Operation temperature	0-40°C
Storage temperature	15-45°C
Humidity	10-90%

Specifications are subjects to change without prior notice

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English
Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems) This marking shown on the product or Its literature, indicates that It should not be disposed with other household wastes at the end of its working life. To prevent possible harm lo the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract This product should not be mixed with other commercial wastes for disposal.

Made in China for LECHPOL ELECTRONICS sp. z o.o. sp.k., 1 Garwolińska Street, 08-400 Miętne.