

# KEMOT<sup>®</sup>

URZ3408 PROsinus-300  
URZ3409 PROsinus-500  
URZ3410 PROsinus-700  
URZ3432 / URZ3433

**Emergency power supply device  
with pure sine wave and charging function**

**wall mounted series**

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, medical 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 and from external battery.
- 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.

## BATTERY SELECTION

For optimum operation quality, use this device with gel or certain acid batteries (acid batteries which reach 14,5 V during charging), with maximum capacity of 100 Ah. Producer suggests VIPOW rechargeable batteries.

For optimum battery selection, refer to estimate formula below:

100 W of load = → 10 A current consumption for the battery

EN

**Example:** with 150 W load and 100 Ah battery, estimated operation time is around 100 Ah/15 A ≈ (around) 6,5 h.

### Safety instructions concerning battery

- Do not dispose the battery in fire (battery may explode).
- Do not disassemble / destroy battery (electrolyte inside the battery is harmful for skin and eyes).
- While connecting and operating this device, pay attention not to cause short circuit—it may lead to electrocution.
- Take off all metal object from your hands (hand watches, rings, etc.) before use of the product.
- Use only tools with insulated handle.

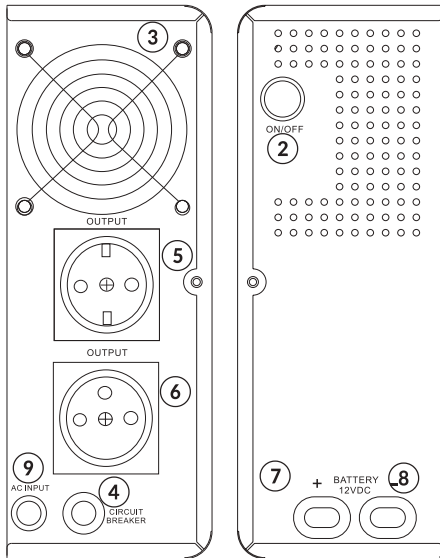
- Power supply socket should be easily accessible and located near the appliance.
- Warning: Inappropriate use of the device may lead to fire or electrocution.
- Do not dispose old batteries together with other household wastes.

## FEATURES

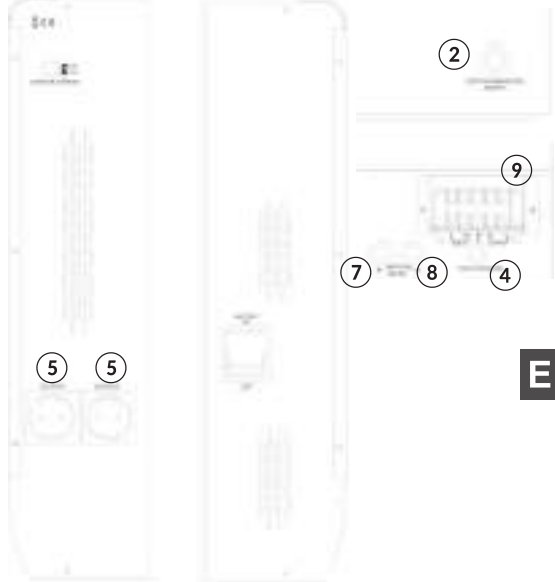
- KEMOT inverter with pure sine wave serves as an emergency power supply device for equipments such as: central heating furnace, TV, refrigerator, induction stove, electric fans, etc.
- Wide range of input voltage, high degree of output voltage accuracy, automatic voltage regulation.
- Build in protection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

## PRODUCT DESCRIPTION

URZ3408, URZ3409, URZ3410

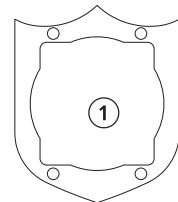


URZ3432, URZ3433



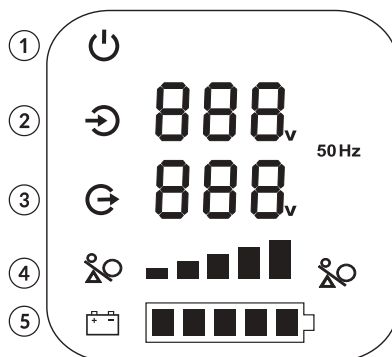
EN

1. Display
2. Inverter switch (to switch inverter on, press and hold the button for 3 seconds).
3. Cooling fan
4. Circuit breaker (overcurrent protection)
5. Output socket (German type)
6. Output socket (French type)
- 7./ 8. Battery input 12 VDC (48 VDC- URZ3432, URZ3433)
9. Power supply mains input 230 V



## 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

EN

## 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:

- prior to mounting on a wall, pay special attention to selection of the proper screws and screw anchors.
- 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).

### Battery installation

**Note:** Before connecting the device to external battery, make sure the device is switched off.

Connect the red connector to battery's positive terminal (symbolized as +), and black connector to negative (symbolized as -). The device will not work if the connectors were reversed. Reverse connection may lead to device damage.

### 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,
- Make sure all switches are in OFF position before disconnecting from battery.

**Note:** In normal conditions, the battery should be tested periodically (every 4-6 months). Fully discharge, then fully charge it.

EN

## STORAGE

If the battery is not used for a longer period, it needs to be recharged every 4 months for 12 hours (if the storage temperature is lower than 25°C). If the storage temperature is higher than 25°C, the battery needs to be recharged every 2 months for at least 12 hours.

## 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

Model	PROsinus-300	PROsinus-500	PROsinus-700
Nominal power	300 W	500 W	700 W
Battery voltage	12 VDC		
Overvoltage protection point	15 VDC		
AC Input voltage	190 - 260 VAC		
AC Input frequency	45~60 Hz		
AC Output voltage	AC: 230 V $\pm$ 5% / Inv. 230 VAC $\pm$ 3%		
AC Output frequency	50/60 Hz $\pm$ 0.5 Hz		
AC Output waveform	Pure sine wave		
AC output efficiency	$\geq$ 85% (DC to AC)		
Charge current	Max. 10 A		
Conversion time	$\leq$ 4 ms		
Protections	Overload, short circuit, overvoltage, undervoltage		
Environment temperature	0-40°C		
Environment humidity	10-90%		

Specifications are subjects to change without prior notice

Model	URZ3432	URZ3433
Nominal power	2400 W	3500 W
Battery voltage	48 VDC	
Overvoltage protection point	60 VDC	
AC Input voltage	190 - 260 VAC	
AC Input frequency	45~60 Hz	
AC Output voltage	AC: 230 V $\pm$ 5% / Inv. 230 VAC $\pm$ 3%	
AC Output frequency	50 Hz $\pm$ 0.5 Hz	
AC Output waveform	Pure sine wave	
AC output efficiency	$\geq$ 85% (DC to AC)	
Charge current	10 A / 15 A	
Conversion time	$\leq$ 4 ms	
Protections	Overload, short circuit, overvoltage, undervoltage	
Environment temperature	0-40°C	
Environment humidity	10-90%	

Specifications are subjects to change without prior notice

EN



**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 to 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 Leszek Sp.k., 1 Garwolińska Street, 08-400 Miętne.