

LP
LogicPower
LPM Series
Line
Interactive
Uninterruptibl
e Power
Supply



LogicPower LPM Series Line Interactive Uninterruptible Power Supply User Manual

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UPS

The following manual contains important safety instructions. Keep this manual handy for future reference.

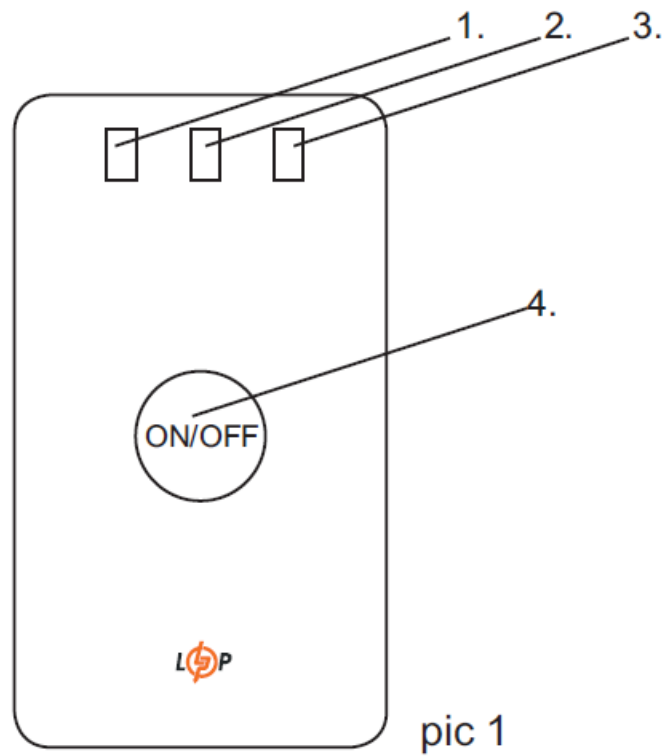
Installation and operation

Before installation read carefully and learn the following instructions. Check the following items inside box.

Package content

- user manual
- UPS
- mains cable

Device review

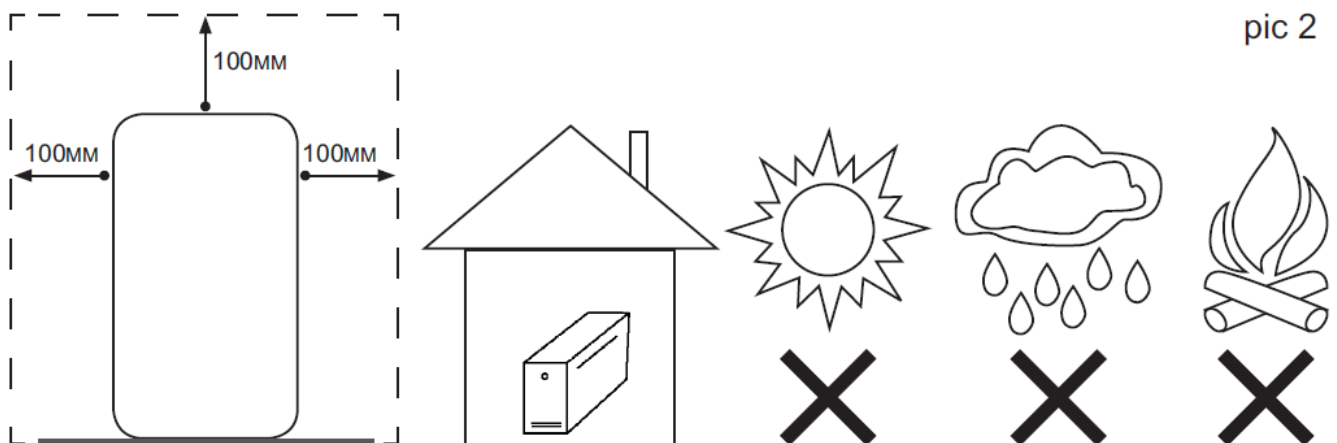


pic 1

1. battery charge indicator (yellow)
2. alternating-current mains indicator (green)
3. battery mode/error (AC) red
4. on/off button

Unpacking and inspection

Examine the packing carton for damage. Notify your dealer immediately if damage is observed. Store the packing in a safe place for possible future trans-shipment of the UPS.



pic 2

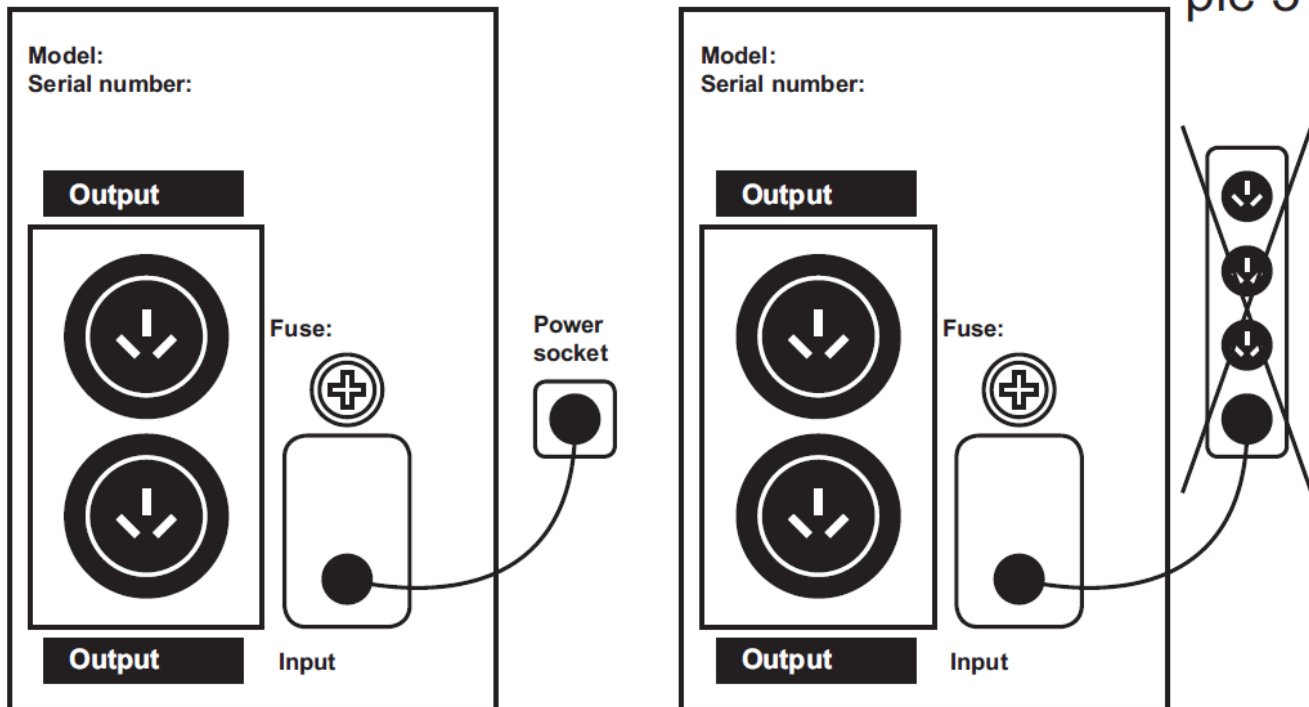
UPS installation

Position the UPS on a sturdy, dry surface in a well-ventilated area away from direct sources of heat. Leave at least 100mm clearance all around the UPS, as it shown on pic2, to provide adequate ventilation. The UPS is intended for indoor use only. Although your UPS is very rugged, its internal components are not sealed from the environment. Kindly note the following.

- Avoid direct sunlight.
- Avoid excessive heat
- Avoid excessive humidity or liquids.
- Avoid excessive dust.

Connect UPS to power

Connect the Power Cord, to a verified grounded socket. Do not power the UPS using a surge suppressor or power strip. Switch the utility power ON.



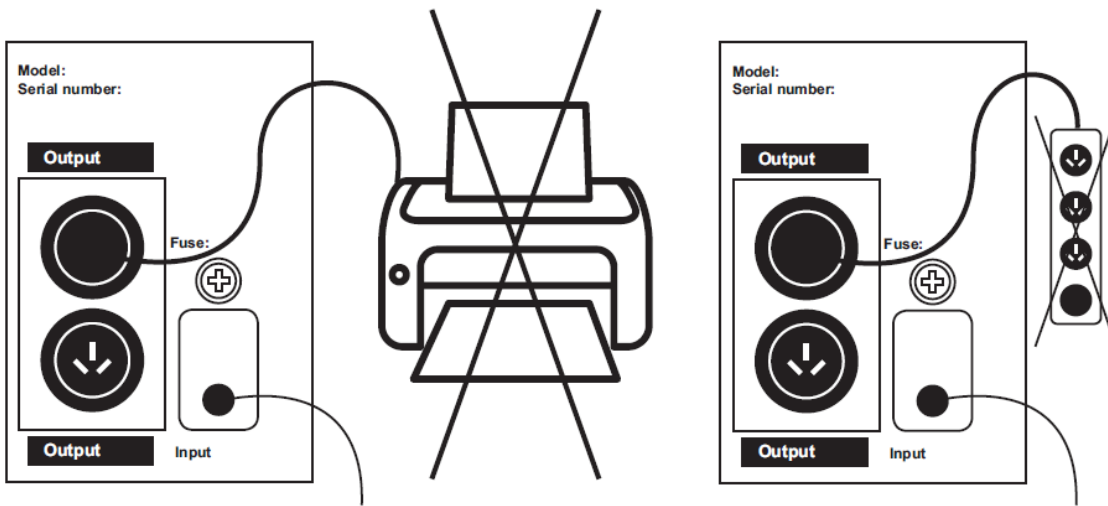
Connect equipment to UPS

- Now connect your equipment to be protected (computer, monitor etc.) to the AC Output socket on the back side of the UPS.
- Do not connect a Laser Printer or any non-computer peripherals to UPS Output
- Do not connect extension cords with active noise filter to the UPS output.

pic 4



pic 5



Enable the UPS by turning on the Power ON/OFF switch, which is situated on the front panel. The UPS is now ready to use. Switch on your equipment and you are ready to function.

Important safety notice

Save this instruction

- **Warning!** To avoid fire risk or current rush, place the device indoor with adjustable temperature and humidity. (look at technical specifications with temperature and humidity limits).
- **Warning!** To avoid superheat of UPS, don't cover cooling air vents of UPS and keep it out of direct sunlight, don't place it next to warmer.
- **Warning!** Don't connect UPS's input to its output.
- **Warning!** Avoid contact of the UPS with liquids or any other things. Don't put containers with drinks and other liquids on the UPS or next to it.
- **Warning!** In case of emergency situation, push the OFF button and disconnect power cable from the mains.
- **Warning!** If UPS placed on metal base, to secure the UPS should be grounded while installing, to avoid residual current up to 3.5mA.
- **Warning!** It may electric shock. Even after disconnecting UPS from the main, the battery may be under dangerous voltage. Because of this, before UPS maintenance battery power should be turned off from positive and negative battery contacts.
- **Warning!** Battery maintenance should be provided or controlled by personal who specialized on batteries with

compliance with safety measures. Third person shouldn't work with batteries. **Warning!** During battery replacing, use the same type of batteries.

- **Warning!** Internal voltage of battery is 12V. Sealed, lead acid 6-element battery.
- **Warning!** Don't throw the batteries into fire. They can detonate. Don't open and damage the batteries. Battery acid is dangerous for the skin and eyes.

Warning! Disconnect UPS from the mains before cleaning and don't use spray or detergent. **Warning!** Battery may present risk to electric shock and short circuit. The following precautions should be appreciated before battery changing:

1. Take off watches, rings and other metal things.
2. Use tools with insulated handles.
3. Put on rubber gloves and special protective clothes.
4. Don't put metal tools on battery terminals.

Disconnect UPS from power before connecting or disconnecting battery terminals.

Safety Notice

The product contains voltages, which are potentially hazardous. Qualified service personnel should perform all repairs.

Do not try to open the cover and to service the system yourself, no user serviceable parts inside. Refer servicing to qualified service personnel only. The product has its own internal energy source (battery). The output receptacles may be live even when the product is not connected to an AC supply.

Warning! In case of fire risk, please change the fuse with the same kind and same rate or reset the breaker. The product is intended for indoor use only. Kindly note to avoid excessive heat, dust, humidity or liquids.

Battery

Battery Usage

- After the product is shipped from the factory, the battery needs to be charged.
- The UPS battery charges when the UPS is connected to the power grid and turned on. Typically, it takes at least 10-12 hours for a full charge. If the battery is not fully charged, the device's autonomy will be reduced.
- The operation of lead-acid batteries is based on electrochemical reactions between lead and lead dioxide in an aqueous solution of sulfuric acid.
- If the UPS is not used for an extended period of time, the battery begins to self-discharge, which can lead to a shorter battery life or even damage during the warranty period. The higher the temperature, the greater the chemical activity and the faster the self-discharge occurs.
- Take necessary measures to avoid high temperatures around the UPS during operation or storage.

Battery Storage

- The recommended storage temperature for the battery is 15°C.
- Before storing, the battery should be fully charged.
- During storage, the battery requires periodic recharging at certain intervals, depending on the storage temperature.

Storage Temperature Recharge Interval

- 20 °C and below: Every 9 months
- 20-30 °C: Every 6 months
- 30-40 °C: Every 3 months
- 40-50 °C: Every 1.5 months

Recharging the batteries should be done using a specialized charger for the specific battery type. Recharging the battery within the UPS should be done using the UPS itself. If the battery is not recharged or is recharged untimely, sulfation of the battery plates occurs due to self-discharge, leading to premature failure.

Troubleshooting

FAILURE	POSSIBLE CAUSES	ACTIONS TO TAKE
UPS can not be turned ON	UPS is not connecting to AC and overloaded	Please connect to AC and reduce the load
	The input fuse is burnt or breaker is off	Replace the fuse or reset the breaker, remove some load and check if the load is short-circuit or faulty
	AC Input voltage is too low	Please send to the agency to repair
	The UPS is failure	Please send to the agency to repair
The red LED continuous bright with a beep every 8 seconds	UPS suddenly turns to battery mode in spite of utility line present	Save the data promptly and shut down the operating system
The red LED continuous bright with a beep every 1 second	Back-up time less than 1 minute	Close the system and recharge again
Back-up time less than specified	Overloaded	Please reduce the load
	Battery is not fully charged	Recharge the battery for at-least 12 hours and retest the backup time
	Charging unit fault	Please send to the agency to repair

Technical specifications

CAPACITY	625VA 437W	825VA 577W	1100VA / 1250V A 770W / 875W	1550VA 1085W
Input voltage	145B~290VA			
Output voltage	220V \pm 10%			
Output wave form AC/Battery	Pure sine wave/ approximated sine wave			
Output frequency	50Hz or 60Hz			
Built-in battery	12V / 7.5Ah	12V / 9Ah	12V / 7.5Ah X2	12V / 9Ah X2
Backup time	3-20 minutes			
Output sockets	2	2	3	3
Noise level	Less than 45 dB			
Operating temperature	0~45 deg C			
Humidity	10 to 90% non condensing			

UPS indicators



ON/OFF SWITCH

Turn ON this button to supply power to the UPS outlets. To switch off power to the UPS outlets turn OFF the switch. This switch is situated on the front panel of the UPS.

NORMAL:



NORMAL INDICATOR

(Green continuous)

The UPS is supplying conditioned utility power to its outlets.

BACKUP INDICATOR condition



condition



(Red led continuous bright)

The buzzer beeps every 8 seconds. The battery is powering the UPS socket. The expected runtime for a typical personal computer (PC) is about 3 to 20 minutes.

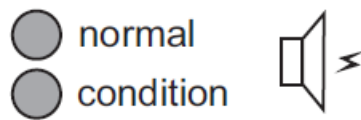
LOW BATTERY INDICATOR condition

(Red led continuous bright)

The buzzer beeps fast whenever the battery is near the end of its runtime. Promptly save your data and exit all applications and shutdown the operating system.

OVERLOAD INDICATOR

Continuous beeping. UPS protects itself at this time. Please move some load.




Dear customer!

- Thank you for purchasing the products of LP, hereinafter EQUIPMENT.
- The equipment you purchased fully meets the specifications given in the attached instructions. The specified characteristics are guaranteed by the manufacturer. The equipment will serve you long and qualitatively, given that the requirements of application instructions, specified in the user's manual, are observed.
- When contacting a service center, it is necessary to clearly formulate the problem and provide information about the operating conditions of the device.
- When sending a device to the service center by mail, it is necessary to pack Device in the original packaging, in order to avoid damage during transportation.
- It is also necessary to describe the problem in writing and provide information on the operating conditions of the device.
- If there is a need for warranty service of the equipment, please contact the dealer, firm or store where you purchased the product, or to one of the authorized service centers (you can get the addresses of service centers at the place of purchase or on the site: www.logicfox.ua).
- In order of equipment modernization, the manufacturer retains the right to make changes in technical specifications, kitting and design without advance notice.

Conditions of warranty service

1. Warranty service provides free repair or replacement of component parts during the warranty period.
2. Warranty repair is carried out by an authorized service center.
3. Expediency of repair or replacement of equipment faulty parts is determined by the service center.
4. Warranty service is carried out only if you have a correctly and clearly filled warranty card. Model, serial number of the product, date of sale shall be indicated, the warranty card shall have a clear seller's stamp and the buyer's signature.
5. Warranty repair is not carried out in case of inconsistency of the serial numbers of the product, and the numbers indicated in the warranty card and on the package.
6. The warranty is not valid for the following equipment:
 - with missing or damaged warranty labels, stickers, seals, hermetic gaskets;
 - on the equipment, that has traces of mechanical damage or self-repair;
 - with traces of accidental or deliberate ingress of foreign objects, substances, liquids, or insects into the equipment;
 - used in violation of the rules of operation, or used other than as intended
 - broken down because of using with faulty power supply from the electric network 220 volts.
7. Warranty service is provided if the equipment is operated under normal climatic conditions.
8. The warranty does not apply to equipment, which warranty period expired.
9. The term of warranty service is 24 months from the date of sale.
10. The warranty period for batteries is 12 months from the date of sale.

	<p>LogicPower LPM Series Line Interactive Uninterruptible Power Supply [pdf] User Manual LPM-625VA-U625VA, LPM-825VA-U825VA, LPM-1100VA-U1100VA, LPM-1250VA-U1250VA, LPM-1550VA-U1550VA, LPM Series Line Interactive Uninterruptible Power Supply, LPM Series , Line Interactive Uninterruptible Power Supply, Uninterruptible Power Supply, Power Supply</p>
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References

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- [User Manual](#)

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