

Rebel

COMP

UPS
Uninterruptible Power Supply

USER
MANUAL

PL DE EN RO

model: RB-4020-5

SAFETY - WARNING

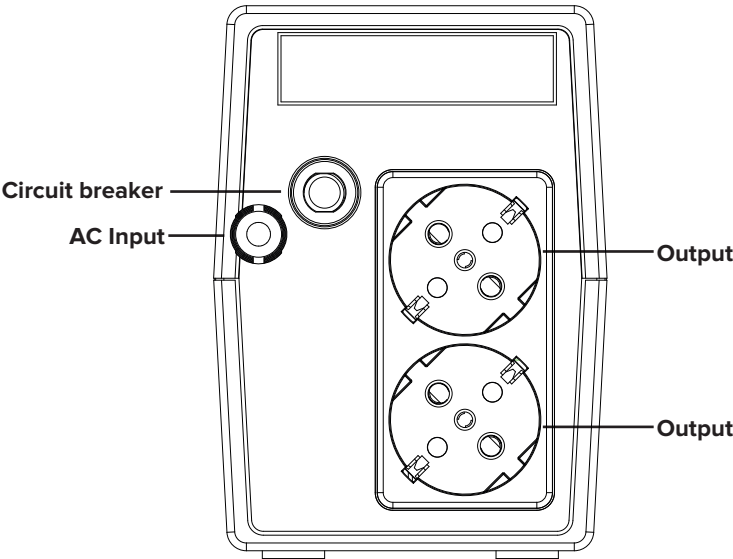
- This UPS utilizes voltages that may be hazardous. Do not attempt to disassemble the unit. The unit contains no user serviceable parts. Only factory service personnel may perform repairs.
- In the event of an emergency, press the OFF button and disconnect the power cord from the AC power supply to properly disable the UPS.
- Do not allow liquids or any foreign object to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.
- Do not plug the UPS input into its own output.
- Do not attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.
- To reduce the risk of overheating the UPS, do not cover the UPS cooling vents and avoid exposing the unit to direct sunlight or installing the unit near heat emitting appliances such as space heaters or furnaces.
- Unplug the UPS prior to cleaning and do not use liquid or spray detergent.
- Do not dispose of batteries in a fire as they may explode.
- Do not open or mutilate the battery or batteries. Released electrolyte is harmful to the skin and eyes. It may be toxic.

INTRODUCTION

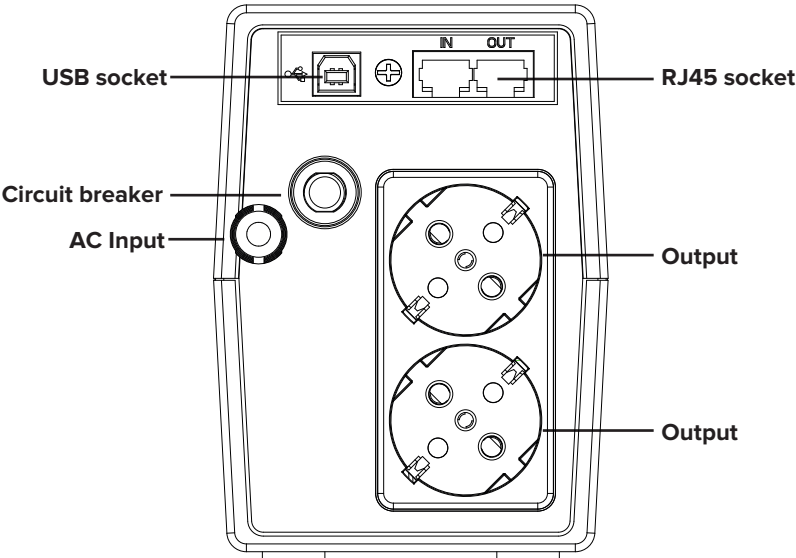
This UPS is specially designed for Personal Computer with multi-functions. Its light weight, compact design perfect fits to the limited working environment. The line of UPS is equipped with boost and buck AVR to stabilize input voltage range. It is also built-in with DC start function. This function enables the UPS to be started up without AC power supplied. Although it's a small UPS, The main features of UPS are listed below:

- Microprocessor control guarantees high reliability
- Equipped with Boost and Buck AVR
- Green Power Function for energy saving
- DC Start Function
- Compact size, Light Weight
- Provides AC Overload protection

Back panel

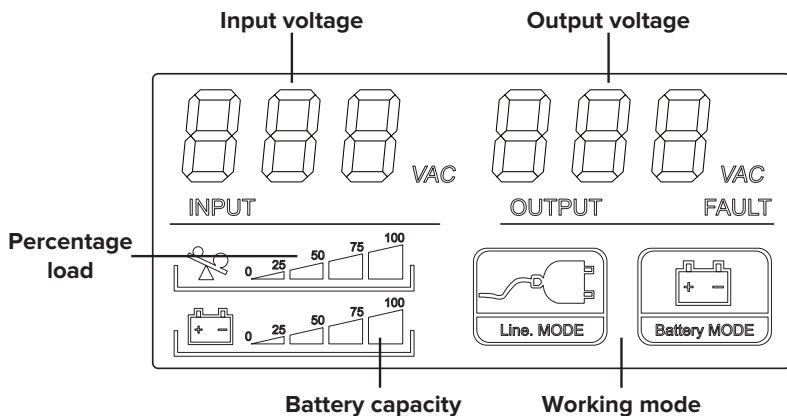


RB-4020 / RB-4021 / RB-4022

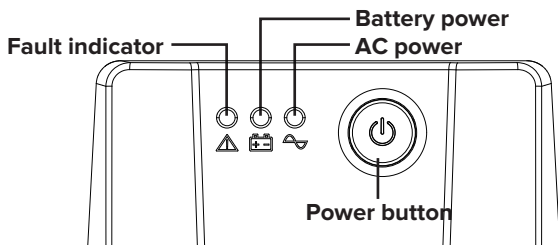


RB-4023 / RB-4024 / RB-4025

LCD display (only models RB-4023 / RB-4024 / RB-4025)



Front panel (only models RB-4020 / RB-4021 / RB-4022)

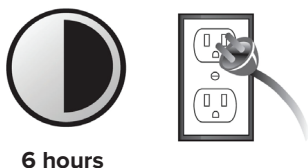


1. Inspection

Remove the UPS from its packaging and inspect it for damage that may have occurred during shipping. If any damage is discovered, repack the unit and return it to the place of purchase.

2. Charging

This unit is shipped from the factory with its internal battery fully charged, however, some charge may be lost during shipping and the battery should be recharged prior to use. Turn on the UPS, Plug the unit into an appropriate power supply and allow the UPS to charge fully by leaving it plugged in for at least 6 hours with no load (no electrical devices such as computers, monitors, etc.) connected.

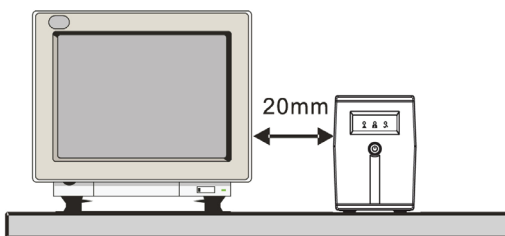


3. Placement

Install the UPS unit in any protected environment that provides adequate airflow around the unit, and is free from excessive dust, corrosive fumes and conductive contaminants. Do not operate your UPS in an environment where the ambient temperature or humidity is high.

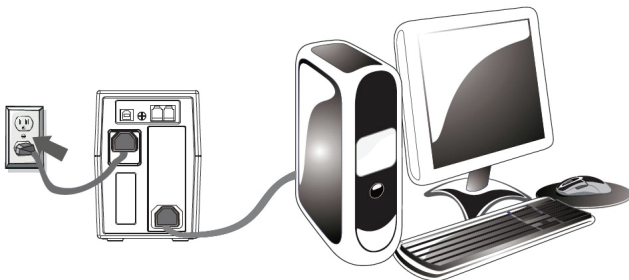


On the other hand, place the UPS away from the monitor at least 20cm to avoid interference.



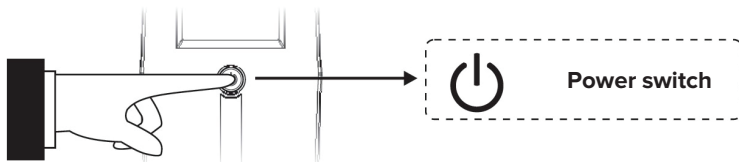
4. Connection

Plug the UPS into a 2-pole, 3-wire grounded receptacle. Then connect one computer-related device into each of the power receptacles supplied on the back of the UPS.



5. Turn On/Off

To turn on the UPS unit, press the power switch lightly. To turn off the UPS unit, press the power switch again.



5. Application

The app for UPS management can be downloaded here:
<https://www.power-software-download.com/viewpower.html>

SPECIFICATION

Model		RB-4020/RB-4023	RB-4021/2/4/5
POWER	VA/W	650 VA / 360 W	850 VA / 480 W
			1000 VA / 600 W
INPUT	Voltage	230 VAC	
	Voltage Range	140-300 VAC	
OUTPUT	Voltage Regulation (Batt. Mode)	+/-10%	
	Frequency	50 Hz or 60 Hz	
	Frequency Regulation (Batt. Mode)	+/-1 Hz	
	Output Waveform	Modified Sine wave	
BATTERY	Battery Type	12 V / 7.0 AH x1	12 V / 9.0 AH x1
	Recharge Time	6-8 hours to 90% after complete discharge	
TRANSFER TIME	Typical	2-6 ms	
	Maximum	10 ms	
AUDIBLE ALARM	Backup Mode	Sounding every 10 seconds	
	Low Battery	Sounding every 1 second	
	Overload	Sounding every 0,5 second	
	Fault	Continuously sounding	
PROTECTION	Full Protection	Discharge, overcharge, and overload protection	
PHYSICAL	Dimensions (mm)	297 x 101 x 142	
WEIGHT	Net Weight (kg)	4,2	4,9
ENVIRONMENT	Operating Environment	0°C - 40°C	
	Noise Level	Less than 40 dB	

TROUBLESHOOTING

Symptom	Possible Cause	Remedy
No LED display on the front panel	1. Battery weak	1. Charge battery up to 8 hours
	2. Battery defect	2. Replace with the same type of battery
	3. Power switch is not pressed	3. Press the power switch again
Alarm buzzer beeps continuously when AC supply is normal	Overload of the UPS	Verify that the load matches the UPS capability specified in the specs
When power failure, back-up time is shorten	1. Overload of the UPS	1. Remove some non-critical load
	2. Battery voltage is too low	2. Charge battery 8 hours or more
	3. Battery defect due to high temperature operation environment, or improper operation to battery	3. Replace with the same type of battery
Mains normal but Yellow LED is flashing	Power cord is loose	Reconnect the power cord prop

LEARN MORE

For more information on this device visit: www.rebelelectro.com.

Read owner's manual carefully before using your device.

Visit www.rebelelectro.com website for more products and accessories.



(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., ul. Garwolińska 1, 08-400 Miętno.