

# MANUAL

## BASIC INTERACTIVE

PH 9406 600 VA

PH 9408 800 VA



[www.phasak.com](http://www.phasak.com)



# READ AT LEAST THIS

Strictly follow all warnings and instructions in this manual.

Before installing this unit, please read all instructions carefully.

Do not use this UPS before carefully reading all safety information and instructions for use.

## 1. Precauciones

### 1.1. Transport

Please transport the Phasak UPS in its original box to protect it from shocks and bumps.

### 1.2. Preparation

• When the UPS goes from being in a warm environment to a cold one, condensation may form. The equipment must be completely dry before being installed. Please, leave the UPS turned off and unplugged for at least two hours to warm up the equipment.

• Do not install the UPS near water or in humid environments, nor in direct sunlight or near heat sources.

• Do not block the ventilation holes of the UPS.

### 1.3. Facility

• Do not connect the output socket of the UPS to devices that may overload it (for example: laser printers).

• Route connecting cables so that they cannot be stepped on or tripped over.

• Do not connect appliances such as hair dryers to the UPS outlet.

• The UPS must be installed and handled by qualified personnel. Children no, but otherwise...

• Connect the UPS, with ground, so that it is easily accessible.

• Please use only VDE and CE approved power and charging cables to connect the UPS to the mains (grounded) outlet.

• When installing the UPS, you must ensure that the sum of the leakage current of the UPS and the connected equipment does not exceed 3.5mA.

#### 1.4. Functioning

- Do not disconnect the power cord of the UPS, otherwise the protection that the earth ground provides to the UPS and all its loads will be nullified.
- The UPS has its own internal power supply (batteries). There may be voltages at the UPS output socket or output voltage terminals, even if the UPS is not connected to the mains.
- To completely turn off the UPS, press the OFF/Enter switch.
- Prevent the entry of liquids or foreign objects inside the UPS.

#### 1.5. Maintenance and repair

- The UPS operates with dangerous voltages. Any repair must be carried out exclusively by qualified personnel. Do not open or disassemble the UPS in any other case.
- Caution - Risk of electric shock. Even after disconnecting from the grid, the internal wiring is still connected to the battery and the voltage is dangerous.
- Before carrying out any type of service and/or maintenance, disconnect the batteries, verifying that there is no current or risk of voltage, including those created by high capacity capacitors.
- Only people authorized to deal with batteries and who do so with the necessary measures and precautions can replace batteries and control operations.
- Caution - Risk of electric shock. The battery is not isolated from the input voltage circuit. There may be dangerous voltages between the battery terminals and the ground. Before touching anything, please check that there is no voltage!
- Batteries can cause electrical shock and short circuits. Please take the precautions detailed below and any other necessary measures when working with batteries, such as removing watches, rings and other metal objects, as well as using only tools with insulated handles.
- When changing batteries, install the same number and the same type of batteries.
- Do not attempt to throw away or burn batteries, as they may explode.
- Do not open or destroy batteries. Released electrolyte can damage skin and eyes. The battery is toxic.
- Please replace the fuse only with another of the same type and amperage to avoid risk of fire.

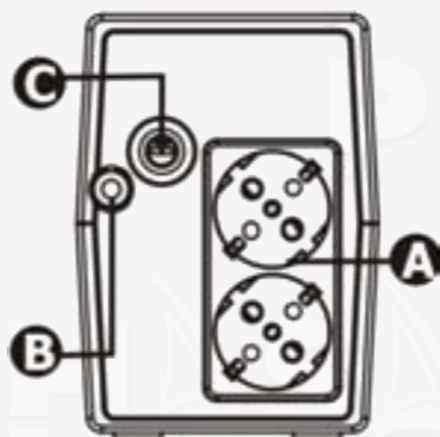
**Before installation, please  
check the drive.**

**Make sure nothing inside the  
packaging is damaged.**

**Keep the original packaging in a safe place for  
future use.**

## 2. Installation and configuration

### 2.1 UPS View



#### A. Protected Power Outlets:

Connect sensitive equipment to these protected power outlets. In the event of a power outage, these sockets will be powered from the batteries.

#### B. Current input

**Battery mode:** When the UPS is in battery mode, the green LED will flash and the UPS will beep every 10 seconds.

**Low battery:** When the UPS is in battery mode, and the battery is running low, the UPS starts beeping every second.

**Overload:** When the UPS is overloaded, it emits an acoustic warning every half a second.

**Fault:** When there is an internal fault in the UPS, it emits a continuous acoustic warning.

#### C. Circuit Breaker / Fuse

Electrical overload protector. Electrical surges can damage electrical equipment and render it useless, in more serious cases they can cause a fire. The fuse is used to protect the electrical circuit of the UPS.

### 2.2 Instalação do UPS

1. Take the UPS out of its box and check its condition, checking if it has been damaged during transportation. If any damage is found, please repack the UPS unit and return it to your supplier.

2. Connect the power cord to the outlet. The UPS will start charging the battery. For best results, charge the battery for at least 6 hours before first use.

3. Connect the equipment to the protected power outlets located at the rear of the UPS.

NOTE: Make sure the UPS is turned on to protect important devices from data loss caused by power outages.

ATTENTION: NEVER connect laser printers or scanners to the protected outlets of the UPS. These devices generate large current draws at startup and could overload the UPS.

### 2.3 Functioning

#### 1. Power on the UPS

To turn on the UPS, press the button until you hear a “Beep”. The LED will light up.

#### 2. Shut down the UPS

To turn off the UPS, press the button until you hear a “Beep”. The LED will turn off.

#### 3. Cold start

When the UPS is off and there is no input power, it is still possible to turn on the UPS to power the connected equipment with the current stored in its battery.

Indicator	Meaning
Steady green light	Normal input current. The UPS is in AC mode.
Flashing green light	Power input cut. The UPS feeds from the batteries.

### 3. Problem solving

Problema	Possible Cause	Solution
LED does not light	The UPS is not turned on	Press the button to turn on the UPS.
	Battery voltage is too low	Charge the battery for at least 6 hours
	Power cord not connected	Connect the energy cable.
The UPS beeps continuously	Overload	Disconnect some of the devices connected to the UPS. Verify that the required power does not exceed the UPS rated capacity.
Backup time too short	Battery voltage too low	Charge the battery for at least 6 h.
	Cxcess consumption	Disconnect some of the devices connected to the UPS. Verify that the required power does not exceed the UPS rated capacity
	Bad battery	Replace the battery

Reference	PH 9406	PH 9408
Power	600 VA / 360 W	800 VA / 480 W
Input		
Rated Voltage	220 / 230 / 240 Vac	220 / 230 / 240 Vac
Voltage Range	162 - 290 Vac	162 - 290 Vac
Frequency	50 Hz / 60 Hz (Auto detection)	50 Hz / 60 Hz (Auto detection)
Output		
Voltage Regulation (Bat.)	±10%	±10%
Frequency (Bat.)	50 Hz / 60 Hz ± 1%	50 Hz / 60 Hz ± 1%
Waveform (Bat.)	Pure sine	Pure sine
Battery		
Quantity / Tipe / n°	1x 12V / 7 Ah	1x 12V / 9 Ah
Indicators		
AC Mode	Green light	
Battery Mode	Green light (blink every 7 seconds)	
Characteristics		
Dimensions (WxHxD)	279 x 101 x 142	279 x 101 x 142
Weight (Kg)	4.2	4.9
Operating humidity	0 – 90 % without condensation	
Operating temperature	0 - 40°C	
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