

MANUAL

KRYPTOS INTERACTIVE

PH 9478 800 VA



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.

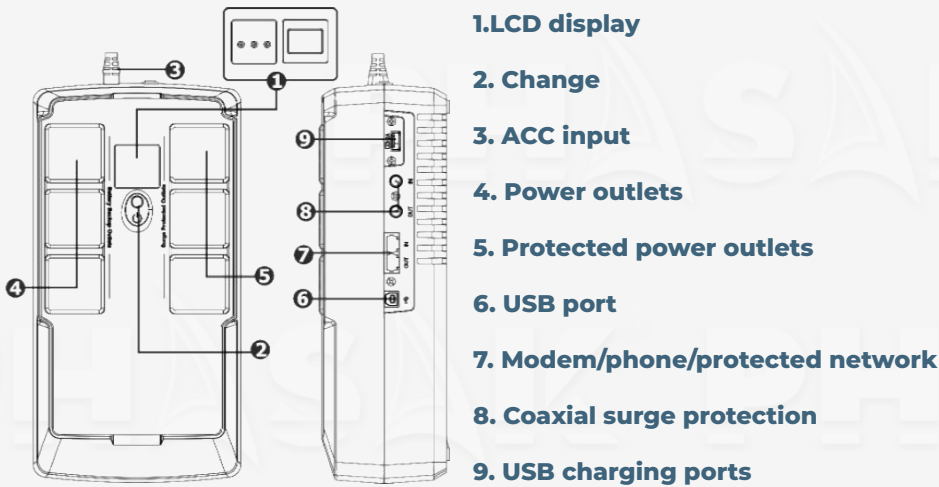
**Before installation, please
check the drive.**

**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 View of the sai



2.2 UPS installation

Inspection

Remove the UPS from the packaging and inspect for any damage that may have occurred during shipment. If you find damage, repack the unit and return it to the place of purchase.

Connection to electrical current

Connect the power cord to the network. Then the UPS will start and charge the internal battery. For best results, charge the battery for a minimum of 6 hours before use.

Equipment connection

1. Connection of battery backup outlets (3)

Connect the computer and monitor to the "Battery Back up" outlets. These outlets offer battery backup, EMI filtering, line correction, and surge protection. Batteries provide power in the event of a power outage.

2. Connection of sockets with overvoltage protection (3)

Connect a printer, fax machine, or scanner to surge-protected outlets. These tubs do not provide battery power in the event of a power outage.

2.3 Funcionamiento

1. Power on and off the UPS

To turn on the UPS, briefly press the button. The LCD screen will light up. To turn off the UPS, press the button again and the screen will turn off.

3. LCD

Mode	LCD	Description
Switched on		When you turn on the UPS, it will show this status for 4 seconds.
AC mode		The information on the LCD screen will be displayed in the following order when touched: 1. Output voltage 2. Input voltage 3. Charge level 4. Battery capacity
Overload in AC mode		When overload occurs, the alarm will sound every 0.5 seconds.
Battery mode		The alarm sounds every 10 seconds and the information on the LCD screen will be displayed in the following order by touching: 1. Output voltage 2. Input voltage 3. Charge level 4. Battery capacity
Overload in Battery Mode		When overload occurs, the alarm will sound every 0.5 seconds.

4. Error codes

Mode	LCD	Description
output short circuit		Disconnect the shorted load and restart the UPS
overload fault		Disconnect all load and restart the UPS
Overload		Contact your seller
Defective or deeply discharged battery		Replace the battery
High voltage output fault		Contact your seller

5. Problem solving

Problem	Possible cause	Solución
The panel appears empty	The UPS is turned off	Press the power button to turn on the UPS
	The battery is too low	Replace battery
	The battery is too low	Connect the energy cable.
The UPS beeps continuously	Please refer to the fault code table.	Please refer to the fault code table.
The UPS beeps continuously	The power cord is loose.	Connect the energy cable
Autonomy less than expected	The battery is not fully charged.	Charge the battery for at least 6 h.
	Overload	Disconnect some of the devices connected to the UPS. Verify that the required power does not exceed the UPS rated capacity
	Faulty battery	replace the battery

Reference	PH 9478
Power	800 VA / 480 W
Input	
Rated Voltage	220 / 230 / 240 Vac
Voltage Range	180 - 270 Vac
Frequency	50 Hz / 60 Hz (Auto detection)
Salida	
Voltage Regulation (Bat.)	220 – 240 Vac
Frequency (Bat.)	50 Hz / 60 Hz ± 1%
Waveform (Bat.)	Modified sinusoidal
Transfer time	2 - 6 ms
Overload protection	Circuit breaker or internal protection fuse
Battery	
Quantity / Tipe / n°	1x 12V/ 5 Ah
Charging time (90%)	8 h
Indicators	
Led	LCD
Warning	Battery On / Battery Low / Overload / Fault
Characteristics	
Dimensions (WxHxD)	305 x 158.5 x 95
Weight (Kg)	2.9
Operating humidity	0 – 90 % without condensation
Operating temperature	0 - 40°C

Specifications subject to change without notice. PHASAK® copyrights.