



SERIE INTERACTIVE [ES]

PH 9464



LEA AL MENOS ESTO

Siga estrictamente todas las advertencias e instrucciones de este manual.

Antes de instalar esta unidad, lea todas las instrucciones atentamente.

No utilice este SAI antes de leer atentamente toda la información de seguridad y las instrucciones de uso.



PELO MENOS LEIA ISTO

Siga estritamente todas as advertências e instruções deste manual.

Antes de instalar esta unidade, leia todas as instruções atentamente.

Não utilize esta UPS antes de ler atentamente toda a informação de segurança e as instruções de uso.



AT LEAST READ THIS

Strictly follow all warnings and instructions in this manual.

Before installing this unit, read all instructions carefully.

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



1. Precautions

1.1. Transport

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

1.2. Preparation

- When the UPS goes from being warm to a cold environment, condensation can be created. The equipment must be completely dry before being installed. Please leave the UPS turned off and unplugged, at least two hours to heat the equipment.
- Do not install the UPS near water or in humid environments, or exposed to direct sunlight or near heat sources.
- Do not block the ventilation holes of the UPS.

1.3. Installation

- Do not connect the output jack of the UPS to devices that may overload it (for example: laser printers).
- Place the connecting cables so that they cannot be stepped on or tripped over them.
- Do not connect devices such as hair dryers to the UPS output.
- The UPS must be installed and handled by qualified personnel.
- Connect the UPS, grounded, so that it is easily accessible.
- Please use only power and charging cables with VDE and CE approval to connect the UPS to the mains (grounded).

1.4. Functioning

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

1.5. Maintenance and repair

- Do not open or disassemble the UPS under any circumstances.
- The UPS works with dangerous voltages. Any repairs must be carried out exclusively by qualified personnel.
- Caution - Risk of electric shock. Even after disconnecting from the network, the internal wiring remains connected to the battery and the voltage is dangerous.
- Before performing 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 who are qualified to deal with batteries and do so with the necessary measures and precautions can replace the 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 and ground terminals. Before touching anything, please check that there is no tension!
- Batteries can cause electric shock and short circuits. Please take the precautions 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 quantity and type of batteries.
- Do not try to throw it away or burn the batteries, because they could explode.
- Do not open or destroy batteries. The electrolyte that is released can damage the skin and eyes. The battery is toxic.
- Please replace the fuse only with another of the same type and amperage to avoid the risk of fire.



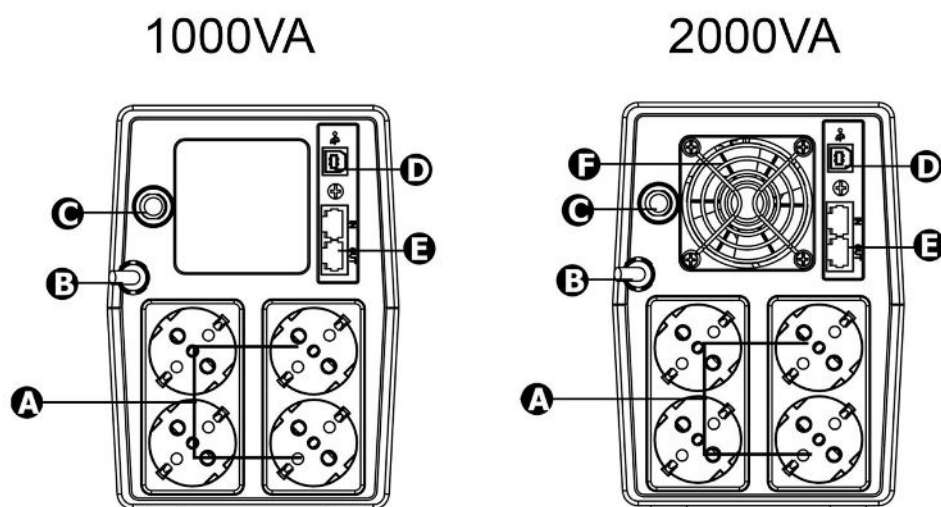
Before installation, please check the unit.

Make sure that nothing inside the packaging is damaged.

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

2. Installation and configuration

2.1. Phasak UPS panel view



BACK VIEW

A. Power sockets

B. Current input

C. Circuit Breaker / Fuse

D. USB communication port

E. RJ45 network protection

F. Fan (only 2000VA)

2.2. Phasak UPS installation

1. Storage conditions and location

To prevent the risk of fire or electric shock, install the UPS in an area with controlled temperature and humidity, away from contaminants and electrical conductors (see specifications section)

Please place the UPS at least 20 centimeters away from other units to avoid interference.

2. Device connection

Connect the devices to the power sockets on the top of the UPS: the connected devices will be protected.

3. Unique caution

Never connect non-computing devices or sustained or instantaneous high consumption. They can cause an overvoltage and seriously damage it.

4. USB cable connection

With the management software installed, you can monitor the status of the UPS through the PC and program automatic power on and off.

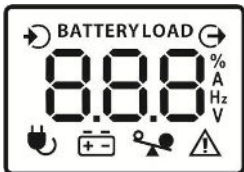
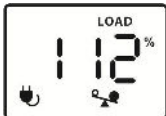
5. Turning the unit on and off

Turn on the UPS by pressing the power button. Pressing it again will turn off.

6. Start without voltage

If the UPS is turned off and there is no electrical voltage at that time, you can turn on the unit to power the devices connected through the battery.

2.3. LCD, Function and Operation Screen

UPS Functions	LCD Panel	Description
UPS on		When the UPS is turned on, the panel will display this mode for 4 seconds.
AC Mode 	 When the AVR is running, the  flashes every second.	The information on the LCD screen will be displayed in the following order when the LCD screen is touched. 1. output voltage 2. input voltage 3. Load level 4. battery capacity
AC mode overload 	 The icon  flashes	When an overload occurs, the alarm will sound every 0.5 seconds.
Battery mode	 When the battery charge level is low, the icon  flashes.	The alarm will beep every 10 seconds and the information on the LCD screen will be displayed in the following order when you touch that screen. 1. Output Voltage 2. Input voltage 3. load level 4. Battery capacity

NOTE: If the backlight turns off, you can activate it by touching the screen.

2.4. Error Code Table

Error condition	LCD	Solution
Shorted output		Disconnect the shorted loads and restart the UPS again.
Overload error		Disconnect all loads from the outputs and restart the UPS again.
Overload		Call technical service immediately.
Battery in poor condition or heavily discharged		Change the battery
High Output Voltage Error		Call technical service immediately.
Excess temperature		Call technical service immediately.

Note: If an alarm is activated by mistake, call the technical service immediately.

2.5. Problem solving

issue	Possible cause	Solutions
Nothing is displayed on the panel.	The UPS does not turn on.	Press the power switch again to turn on the UPS.
	The battery voltage is too low..	Charge the battery for at least 6 hours.
	Battery error.	Change the battery
The UPS is always in battery mode.	Power cable loose.	Reconnect the power cord.
The UPS does not stop whistling.	Check the error code for details.	Check the error code for details.
Reserve time too short.	The battery voltage is too low.	Charge the battery for at least 6 hours.
	Overload.	Remove some unnecessary loads. Before reconnecting the equipment, check that the load matches the capacity of the UPS described in the specifications.
	Defective battery.	Change the battery

2.6. Technical specifications

Reference	PH 9464
POWER	600 VA / 360 W
INPUT	
NOMINAL VOLTAGE	220 - 240 Vac
VOLTAGE RANGE	162 - 290 Vac
FREQUENCY	50 Hz / 60 Hz (Automatic detection)
OUTPUT	
NOMINAL VOLTAGE (BATTERY MODE)	220 - 240 Vac
FREQUENCY (BATTERY MODE)	50 Hz / 60 Hz $\pm$ 1%
WAVE FORM ((BATTERY MODE)	Simulated Sine Wave
TRANSFER TIME	2 - 6 ms
OVERLOAD PROTECTION	Circuit breaker or internal fuse protection
BATTERY	
BATTERY VOLTAGE	12 V
BATTERY TYPE	7 Ah
BATTERY QUANTITY	1
CHARGING TIME (90%)	8 h
INDICATORS	
DISPLAY	LCD
ALARM	Battery mode, low battery, overload, internal failure
COMUNICATIONS PORTS	
USB PORT	✓
RJ45	✓
POWER SUPPLIERS	
SCHUKO - IEC	Schuko x2
MANAGEMENT	
AUTO RECHARGE	✓
AUTO RESTART	✓
POWER MANAGEMENT SOFTWARE	✓
CHARACTERISTICS	
DIMENSIONS (W x H x D)(mm)	279 x 101 x 142
WEIGHT (kg)	4.2
OPERATING ENVIROMENT	
OPERATING HUMIDITY	0 - 90 % non-condensing
OPERATING TEMPERATURE	0 - 40°C

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