



## USER MANUAL

# Interactive UPS · Sirius Series

Interactive UPS with automatic voltage regulation (AVR), LCD display and simulated sine wave output. European version (Schuko outlets), from 800 to 2200 VA, with USB-A and USB-C charging ports.

### PRODUCT SUMMARY

|                            |                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>References</b>          | PH 7308 (800 VA) · PH 7310 (1000 VA) · PH 7312 (1200 VA) · PH 7315 (1500 VA) · PH 7322 (2200 VA)                 |
| <b>EAN</b>                 | 7308 · 5605922011933   7310 · 5605922012046   7312 · 5605922007240   7315 · 5605922008636   7322 · 5605922008711 |
| <b>Type</b>                | Interactive UPS with AVR · tower form factor                                                                     |
| <b>Output (on battery)</b> | 230 Vac $\pm 10\%$ · 50/60 Hz · simulated sine wave                                                              |
| <b>Output sockets</b>      | Schuko — 2 sockets (800/1000VA) · 4 sockets (1200/1500/2200VA)                                                   |
| <b>Extras</b>              | LCD display · USB-A + USB-C charging (5 V / 2.4 A) · USB communication port                                      |



## 1 Important Safety Instructions

This manual contains important safety instructions. Read and follow all instructions during installation and operation. Read the manual in full before unpacking, installing or operating the UPS. **Save these instructions.**

**Fire and electric shock.** To prevent them, install the UPS indoors, in a temperature- and humidity-controlled area free of conductive contaminants. In an emergency, press the off button and disconnect the power cord from the mains.

- To prevent overheating, do not cover the ventilation openings or expose the UPS to direct sunlight or heat sources (heaters, furnaces). Leave at least **20 cm clear** on all four sides for proper ventilation.
- Do not connect non-computer equipment to the UPS, such as medical or life-support equipment, microwave ovens or vacuum cleaners.
- Do not let liquids or foreign objects get inside; do not place beverages or liquid containers on or near the unit.
- Unplug the UPS before cleaning; do not use liquid or spray detergents.
- Battery servicing is performed or supervised by personnel with knowledge of batteries and the required precautions. Keep unauthorised personnel away from the batteries.
- For internal servicing, disconnect the battery at the positive and negative poles using the quick connectors.
- Internal battery voltage is **12 Vdc** (sealed lead-acid 6-cell battery). Always replace with the same number and type.
- Do not dispose of batteries in fire (risk of explosion) or open them; the electrolyte harms skin and eyes.

## 2 Installation

### 2.1 · Unpacking

The box contains: UPS (×1) and user manual (×1).

### 2.2 · Overview

The UPS provides automatic voltage regulation (AVR) for unstable mains and battery backup during outages, ensuring consistent power to the connected equipment.

### 2.3 · Hardware installation guide

- The UPS can be used as soon as you receive it; even so, **charge the battery for at least 8 hours** to reach its maximum capacity (charge may be lost during transport). Simply leave it plugged into the mains; it charges both on and off.
- With the UPS **off and unplugged**, connect the computer, monitor and data-storage devices to the backup outlets. Do not connect high-demand loads (laser printers, copiers, heaters, vacuum cleaners, shredders...): they would overload and could damage the unit.
- Plug the UPS into an earthed wall outlet (2P + earth) protected by a fuse or circuit breaker that does not supply high-consumption equipment (air conditioning, refrigerator, etc.). Avoid extension leads.
- Press the switch to turn on; the indicator will light and the unit will beep.
- If an overload is detected, an alarm will sound (one long beep). Turn off and unplug the UPS, remove at least one piece of equipment, wait 10 s, check the circuit breaker/fuse and switch on again.

- To preserve the battery, keep the UPS plugged into the mains. For long-term storage, turn it off, cover it and recharge the battery **every 3 months**.

## 3 Basic operation

### 3.1 Views and components



800/1000VA models — PH 7308 / PH 7310 (front and rear).



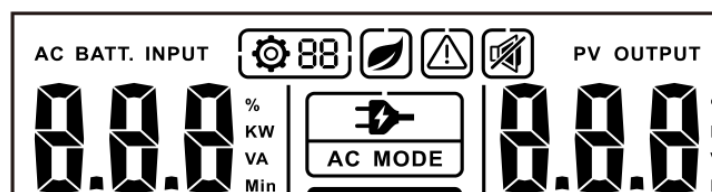
1200/1500/2200VA models — PH 7312 / PH 7315 / PH 7322 (front and rear).

- ① **LCD display.** Shows the UPS status: input and output voltage, load percentage, battery level, etc.
- ② **Power switch.** Hold for 2 s to turn the UPS on or off. Mute: press it twice quickly to enable/disable the audible alarm (enabled by default).
- ③ **LED indicator.** Lights up when the UPS is operating.
- ④ **USB-A and USB-C charging ports.** 5 V / 2.4 A output to charge devices.
- ⑤ **USB communication port.** Connection to the computer for monitoring (PowerMaster software).
- ⑥ **Input circuit breaker.** Overload protection.
- ⑦ **Input power cord.** Connection to the mains.
- ⑧ **Schuko output sockets** with battery backup and surge protection (2 on 800/1000VA · 4 on 1200/1500/2200 VA).

### 3.2 · LED indication and alarms

| Status             | LED | Audible alarm      |
|--------------------|-----|--------------------|
| Normal             | On  | No alarm           |
| Battery discharge  | On  | 1 beep every 30 s  |
| Low battery        | On  | 1 beep every 2 s   |
| Overload           | On  | 1 beep every 0.5 s |
| No-load mode (off) | Off | No alarm           |
| Fault              | Off | Continuous alarm   |

### 3.3 · LCD display indicators



LCD display indicators.

| Indicator                 | Meaning                                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery mode (BATT. MODE) | The UPS powers the equipment from the battery.                                                                                                                  |
| Mains mode (AC MODE)      | The UPS powers from the mains with automatic voltage regulation.                                                                                                |
| Mute                      | Audible alarm disabled.                                                                                                                                         |
| Fault / alarm             | Fault or alarm notice.                                                                                                                                          |
| Battery capacity          | Bars indicating the level. In mains mode: charging = cyclic blinking, fully charged = steady, no charger = shows capacity. In battery mode: remaining capacity. |
| Load level (LOAD)         | Bars indicating the percentage of connected load.                                                                                                               |

## 4

## Technical specifications

| Parameter         | PH 7308<br>SIRIUS 800 | PH 7310<br>SIRIUS 1000 | PH 7312<br>SIRIUS 1200 | PH 7315<br>SIRIUS 1500 | PH 7322<br>SIRIUS 2200 |
|-------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|
| General           |                       |                        |                        |                        |                        |
| Capacity (VA / W) | 800 / 480             | 1000 / 600             | 1200 / 720             | 1500 / 900             | 2200 / 1320            |
| Form factor       | Tower                 |                        |                        |                        |                        |
| Input             |                       |                        |                        |                        |                        |
| Voltage range     | 162-290 Vac           |                        |                        |                        |                        |
| Nominal frequency | 50 / 60 Hz            |                        |                        |                        |                        |

| Output (on battery)        |                                    |                |                 |                 |                 |
|----------------------------|------------------------------------|----------------|-----------------|-----------------|-----------------|
| Output voltage             | 230 Vac ±10 %· simulated sine wave |                |                 |                 |                 |
| Output frequency           | 50 / 60 Hz ±1 %                    |                |                 |                 |                 |
| Overload protection        | Circuit breaker / fuse             |                |                 |                 |                 |
| Battery                    |                                    |                |                 |                 |                 |
| Battery (sealed lead-acid) | 12 V/9 Ah ×1                       | 12 V/9 Ah ×1   | 12 V/7 Ah ×2    | 12 V/9 Ah ×2    | 12 V/9 Ah ×2    |
| Recharge time (typical)    | 8 hours                            |                |                 |                 |                 |
| Physical                   |                                    |                |                 |                 |                 |
| DimensionsW × H × D (mm)   | 96 × 138 × 286                     | 96 × 138 × 286 | 148 × 178 × 298 | 148 × 178 × 298 | 148 × 178 × 298 |
| Environment                |                                    |                |                 |                 |                 |
| Operating temperature      | 0 °C – 40 °C                       |                |                 |                 |                 |
| Relative humidity          | 0-90 %non-condensing               |                |                 |                 |                 |
| Management                 |                                    |                |                 |                 |                 |
| Automatic charger          | Yes                                |                |                 |                 |                 |
| Auto-restart               | Yes                                |                |                 |                 |                 |
| USB communication port     | Yes (monitoring with PowerMaster)  |                |                 |                 |                 |

## 5 Troubleshooting

| Problem                                       | Possible cause                                                                                            | Solution                                                                                                                                                |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| The UPS does not deliver the expected runtime | Batteries not fully charged or slightly worn.                                                             | Recharge by leaving the UPS plugged in. If it persists, contact technical support.                                                                      |
| The UPS does not turn on                      | The switch protects against rapid on/off; not connected to the mains; worn battery or mechanical problem. | Turn it off, wait 10 s and turn it on. Connect it to a 230 Vac 50/60Hz outlet. If it persists, contact technical support.                               |
| The outlets do not provide power              | Circuit breaker tripped by overload; batteries discharged; surge damage.                                  | Turn off and unplug, remove one piece of equipment and reset the circuit breaker. Recharge for at least 4 h. If it persists, contact technical support. |
| PowerMaster does not activate                 | The USB cable is not connected or the UPS is not providing backup.                                        | Connect the USB cable to the UPS and the computer (use the supplied cable). Restart the UPS (off, wait 10 s, on).                                       |
| Fault code F09 / E09                          | Output short circuit.                                                                                     | Turn off the UPS; check the connected equipment before switching on again.                                                                              |
| Fault code F12 / E12                          | Battery voltage too low.                                                                                  | Shut down the computer and recharge the battery immediately.                                                                                            |
| Fault code F13 / E13                          | Battery overcharged.                                                                                      | Contact technical support.                                                                                                                              |

|                      |                                                                                            |                                                                                         |
|----------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Fault code F14 / E14 | Overload: the equipment demands more power than the UPS can deliver and it will shut down. | Switch off non-essential equipment; once resolved, the UPS returns to normal operation. |
|----------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

## 6 Management software

The **PowerMaster** software provides an interface to monitor the UPS and manage the safe shutdown of the equipment. Download it from <https://phasak.com/software-de-gestion-powermaster/> and install it following the wizard. The UPS communication USB port allows connection to the computer via the USB cable.

PHASAK · [www.phasak.com](http://www.phasak.com) — For internal/commercial use. Specifications are subject to change without notice. ISO 9001 certified product.