

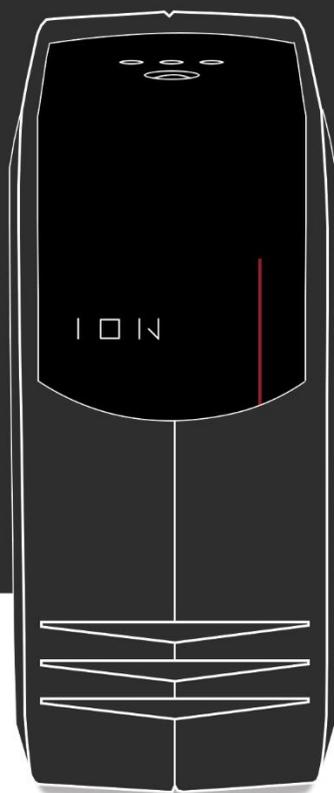


STANDBY UPS
WITH APFC SUPPORT

600 VA

800 VA

1000 VA



USER MANUAL | ENG - ITA

INTRODUCTION

Before to start using the UPS please read carefully this manual, so to ensure the best usage and the maximum life duration of the machine.

The main features of this Uninterruptible Power Supply (UPS) are listed below:

- ✓ Microprocessor control that guarantees high reliability
- ✓ APFC (Active Power Factor Correction) loads support
- ✓ DC start function
- ✓ Auto restart during AC recovery
- ✓ Modem and phoneline surge protection
- ✓ Built-in USB communication port

IMPORTANT SAFETY INSTRUCTIONS

This manual contains important safety instructions. Please read and follow all instructions carefully during installation and operation of the unit. Read this manual thoroughly before attempting to unpack, install, or operate your UPS.

CAUTION! To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area free of conductive contaminants. (See the specifications for the acceptable temperature and humidity range.)

CAUTION! 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.

CAUTION! Do not attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.

CAUTION! Do not plug laser printers, scanners or aquariums into the UPS outlets because of their high start-up current.

CAUTION! The UPS must be connected to a grounded AC power outlet with fuse or circuit breaker protection. DO NOT plug the UPS into an outlet that is not grounded.

CAUTION! 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.

CAUTION! Do not plug the UPS input into its own output.

CAUTION! Do not attach a power strip or surge suppressor with >1,5m wire to the UPS.

CAUTION! With the installation of the UPS, it should be prevented that the sum of (UPS and) the connected (load) leakage current exceeds 3.5mA

CAUTION! 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.

CAUTION! In the event of severe and/or prolonged atmospheric events (storms, lightning, etc..) disconnect the UPS from the mains to avoid any damage risk to connected equipment.

CAUTION! The socket-outlet shall be installed near the equipment and easily accessible.

CAUTION! Internal battery voltage is 12V DC. Sealed, lead-acid, 6 cells battery

CAUTION! A battery can present a risk of electrical shock and high short circuit current. The following precautions should be observed when working on batteries:

- 1) Remove watches, rings, or other metal objects from the hands.
- 2) Use tools with insulated handles.
- 3) Wear rubber gloves and boots.
- 4) Do not lay tools or metal parts on top of batteries.
- 5) Disconnect charging source prior to connecting or disconnecting battery terminal.

CAUTION! Servicing of batteries should be performed by personnel knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.

CAUTION! When replacing batteries, replace with the same number of the sealed lead-acid batteries.

CAUTION! Unplug the UPS prior to cleaning and do not use liquid or spray detergent.

CAUTION! This UPS utilizes voltages that may be hazardous. Do not attempt to disassemble the unit. The unit contains no user replaceable parts. Only authorized service personnel may perform repairs.

CAUTION! Do not stick fingers into sockets.

CAUTION! The UPS cannot be transported by plane because it contains lead acid batteries.

POSITIONING

Please follow the instructions to correctly position your UPS:

1. The UPS must be placed on a horizontal surface.
2. This UPS is projected for indoor use.
3. The UPS must not be exposed to direct sunlight or any heat source.
4. The air temperature must be between 0°C and 40° C (25°C is the ideal temperature).
5. Ambient humidity must be less than 90%.
6. The UPS must not be placed on dusty environments.
7. The UPS must be placed at least 15 cm. far from walls to ensure enough ventilation.
8. Do not obstruct or pour any liquid on ventilation holes.
9. Do not cover the UPS with any object.
10. Keep away liquids, flammable gases or corrosive substances.

INSTALLING YOUR UPS SYSTEM

UNPACKING

The box should contain the following: UPS Unit x1, USB cable x1.

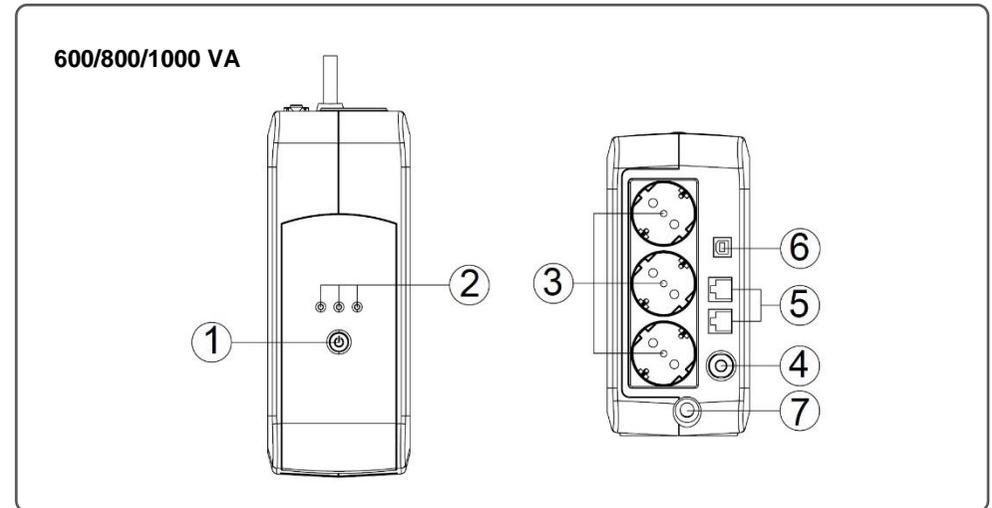
HARDWARE INSTALLATION GUIDE

1. The UPS may be used immediately upon receipt. However, recharging battery for at least 8 hours is recommended to ensure that the battery's max charge capacity is achieved. Charge loss may occur during shipping or storage. To recharge the battery, simply leave the unit plugged into an AC outlet: it will charge in both the on and off position.
2. With the UPS unit off and unplugged, connect the computer, monitor, and any externally powered data storage device (Zip drive, Jazz drive, Tape drive, etc.) into the battery power supplied outlets. DO NOT plug a laser printer, copier, space heater, vacuum, paper shredder or other large electrical device into the battery power supplied outlets. The power demands of these devices will overload and possibly damage the unit.
3. Plug the UPS into a 2 pole, 3 wire grounded receptacle (wall outlet). Make sure the wall branch outlet is protected by a fuse or circuit breaker and does not service equipment with large electrical demands (e.g. air conditioner, refrigerator, copier, etc). Avoid using extension cords.
4. Press the power switch to turn the unit on. The power on indicator light will illuminate and the unit will "beep".
5. If an overload is detected, an audible alarm will sound and the unit will emit one long beep. To correct this, turn the UPS off and unplug at least one piece of equipment from the battery power supplied outlets. Wait 10 seconds. Make sure the circuit breaker is depressed and then turn the UPS on.

6. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times, in compliance with all safety conditions.

7. To store your UPS for an extended period, cover it and store with the battery fully charged. Recharge the battery every three months to ensure battery life.

BASIC FUNCTIONALITIES



1. On/Off Button

Press the button to turn the UPS ON or OFF. The green LED will confirm you that the UPS is switched ON.

2. Led Indicators

Three LED indicators include Using AC, Using Battery, and Fault. Refer to "Definitions for Illuminated LED Indicators" section for details.

3. AC Outlet

The UPS provides 3 outlets for connected equipment to insure temporary uninterrupted operation during a power failure and against surges and spikes.

4. Input Circuit Breaker

The Circuit Breaker provides overload protection.

5. RJ45/11 Communication Protection Ports

Provide surge protection for any standard modem, fax, telephone line, or network cable. Using ports brings a 100 Mb/s speed limitation.

6. USB COMM. Port

This port allows connection to the USB port on the computer, so to get access to remote monitoring and shutdown operations through the UPS management software

7. Input Power Cord

Connect to utility power.

DEFINITIONS FOR ILLUMINATED LED INDICATORS

Icon	Name	Alarm	Condition
	Using AC	OFF	Normal
	Using Battery	Beep once every 30 seconds	Utility Failure – The UPS is providing power to the outlets from its battery.
		Rapid beeping every 0.5 second	Utility Failure – The UPS is providing battery power. Rapid beeping indicates the unit will run out of power shortly.
	Fault	Constant Tone	Battery Overload – Occurs when connected Equipment exceeds the listed capacity of the UPS. Turn the UPS off, unplug at least one piece of equipment from the outlets, reset the circuit breaker and turn the unit on.

TECHNICAL SPECIFICATIONS

Model	600VA	800VA	1000VA
Capacity (VA/W)	600/360	800/480	1000/600
Input			
Nominal Voltage	180-270VAC		
Nominal Frequency	50/60Hz		
Output			
On Battery Output Voltage	220-240VAC		
On Battery Output Frequency	50/60 Hz +/-1%		
Overload Protection	Breaker		
Wave form	Simulated sine wave		
Advanced function	Suitable for APFC loads (up to 70% of nominal load)		
Physical			
Dimensions WxHxD (mm)	90x190x235		
Weight	2.8kg	4.0kg	4.2kg
Battery			
Sealed Maintenance Free Lead Acid Battery	1x 12V/5Ah	1x 12V/7.5Ah	1x 12V/9Ah
Typical Recharge Time	8 Hours		
Warning Diagnostics			
Indicators	Power On		
Audible Alarms	On Battery, Low Battery, Overload, Fault		
Environmental			
Operating Temperature	0°C to 40°C		
Operating Relative Humidity	0 to 90%		
Noise level	Less than 40 dB		
Management			
Auto-Charger	Yes		
Auto-Restart	Yes		
USB COMM.Port	Yes		
RJ45/11Communication Protection Ports	Yes		

TROUBLE SHOOTING

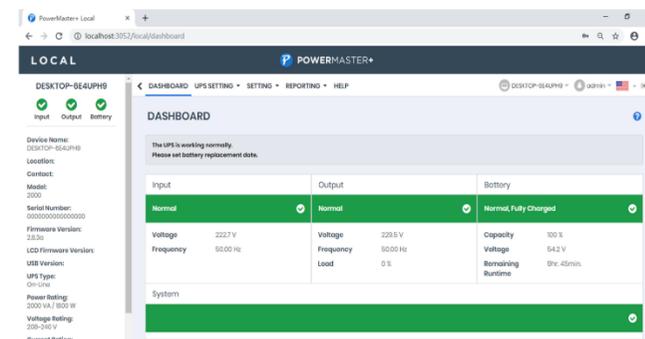
Problem	Possible Cause	Solution
The UPS does not perform expected runtime.	Batteries are not fully charged.	Recharge the battery by leaving the UPS plugged in.
	Battery is slightly worn out.	Contact Technical Support for battery replacing.
The UPS will not turn on.	The on/off switch is designed to prevent damage by rapidly turning it off and on	Turn the UPS off. Wait 10 seconds and then turn the UPS on
	The unit is not connected to an AC outlet.	The unit must be connected to a 220-240V outlet.
	The battery is worn out.	Contact Technical Support for battery replacing.
	Mechanical problem.	Contact Technical Support.
The outlets stop providing power to equipment. Circuit breaker button is projecting from the side of the unit.	Circuit breaker has tripped due to an overload	Turn the UPS off and unplug at least one piece of equipment. Reset the circuit breaker by depressing the button, and then turn the UPS on.
	Batteries are discharged	Allow the unit to recharge for at least 4 hours.
Power Guide Management Software is inactive	The USB/serial cable is not connected	Connect the USB/serial cable to the UPS unit and an open USB/serial port on the back of the computer. You must use the cable that came with the unit.
	The UPS is not providing battery power	Shutdown your computer and turn the UPS off. Wait 10 seconds and turn the UPS back on. This should reset the unit

MANAGEMENT SOFTWARE DOWNLOAD

The management software provides a user-friendly interface for your power systems. The graphic interface is intuitive and displays essential power informations at a glance.

Installation procedure:

- Download Power Master software from the internet website: www.juststepyc.com
- Double-click the file and follow the installation steps.
- To access Power Master double-click on the software icon, or enter <http://localhost:3052> adress on your web browser.



MAINTENANCE

Before starting any cleaning operation, be sure that:

- The AC Input Voltage for the UPS has been removed.
- The UPS is OFF.

Use a cloth moistened only with water to externally clean the UPS. Before restarting the UPS be sure it is completely dry.

If the UPS works in an environmental unusually dusty or dirty, remove the dirty from the ventilation holes

If any liquid gets inside the UPS, do not start the unit and contact Technical Service immediately.

SUPPORT

If the UPS has been damaged during delivery, please report it to the transporter.

If the UPS requires repairs check the trouble shooting table.

If the problem persists contact our technical support at www.justepyc.com

Opening, repairing, or replacing parts inside the UPS must always be carried out by specialized technical personnel only, otherwise warranty has to be considered forfeited.

WARRANTY

The standard warranty for Epyc UPS's is 24 months from the date of purchase.

Epyc's standard procedure is to repair the UPS, or to replace the original unit with a factory reconditioned unit.

The warranty period is 12 months from the date of purchase for all parts subject to wear and tear (such as batteries and fuses).

Please visit www.justepyc.com for further details about warranty conditions.

ENVIRONMENTAL PROTECTION

Epyc's packagings are made by recyclable materials, in compliance with company environmental policy.

For proper disposal please separate the different packaging materials as listed on the table below.

Then dispose all materials according to your Country specific regulations.

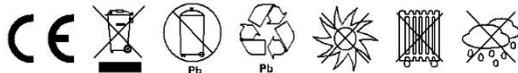
Component	Material	Recycling code
Box	Cardboard	PAP 20
Angular packaging	Expandend polystyrene	PS 6
Protective bags	Polyethylene	HDPE 2

Disposal

The UPS contains circuit boards and batteries, that are considered toxic waste and dangerous.

At the end of its life the UPS must be disposed in compliance to WEEE current regulations (Waste of Electric and Electronic Equipment). Check www.justepyc.com for more details.

Proper disposal helps to protect the environment.



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www.justepyc.com