

MARUSON[®] UPS SYSTEMS

User Manual

Power Personal UPS 420VA/625VA/825VA

INSTRUCTIONS (SAVE THESE 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! This UPS must be connected to a grounded AC power outlet.

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! In the event of an emergency, press the OFF button and disconnect the power cord from the AC power.

CAUTION! Do not dispose of batteries in a fire. The battery may explode.

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. This UPS is intended for indoor use on a flat, sturdy surface only.

CAUTION! Do not attach with or to power strip, extension cord, surge suppressor, into its own output.

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 use with laser printers to any battery power supplied outlet.

CAUTION! Battery life and runtime will vary based on battery age, maintenance, altitude, ambient temperatures, power quality AC power, and frequency of shorts to the UPS.

INSTALLING YOUR UPS SYSTEM

UNPACKING

Inspect the UPS upon receipt. The box should contain the following: (1) UPS and (1) User Manual.

OVERVIEW

Thank you for purchasing the Power Personal Series from Maruson. The Power Personal Series provides battery backup during power outages and surge protection. In the event of a power outage, the UPS will provide consistent power to your computer system and its included software will automatically save your open files and shutdown your computer system during a utility power loss.

HOW TO DETERMINE THE POWER REQUIREMENTS OF YOUR EQUIPMENT

1. Make sure that the total Volt-Amp (VA) requirements of your computer, monitor, and peripheral equipment does not exceed rated capacity.
2. Insure that the equipment plugged into the battery power-supplied outlets does not exceed the UPS unit's rated capacity. If rated unit capacities are exceeded, an overload condition may occur and cause the UPS unit to shut down or the circuit breaker to trip.
3. There are many factors that can affect the amount of power that your computer system will require. For optimal system performance keep the attached load below 80% of the UPS's rated capacity.

HARDWARE INSTALLATION GUIDE

1. Your new UPS may be used immediately upon receipt. However, recharging the battery for at least 8 hours is recommended to ensure that the battery's maximum charge capacity is achieved. Charge loss may occur during shipping and storage. To recharge the battery, simply leave the unit plugged into an AC

outlet. The unit will charge in both the on and off position.

1. With the UPS unit off and unplugged, connect the computer, monitor, and any equipment 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.
2. 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.
3. Depress the power switch to turn the unit on. The power on indicator light will illuminate and the unit will "beep".
4. 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 outlets. Wait 10 seconds. Make sure the circuit breaker is depressed and then turn the UPS on.
5. Your UPS is equipped with an auto-charge feature. When the UPS is plugged into an AC outlet, the battery will automatically recharge.
6. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
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.

INSTALLING YOUR UPS SYSTEM

FEATURES

1. Power On/Off Switch

Press the power switch to turn the UPS ON or OFF.

2. LED Indicators

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

3. Battery Backup & Surge Protected Outlets

Provide battery backup and surge protection. They ensure power is provided to connected equipment over a period of time during a power failure.

4. Surge Protected Outlets

Provide surge protection for bypass output.

5. Input power cord

Connect to utility power.

6. USB COMM. Port

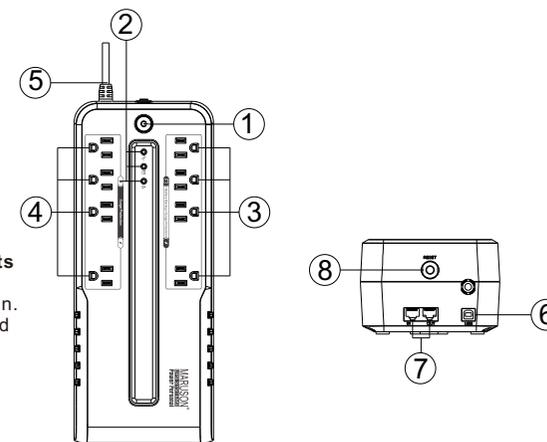
This port allows connection and communication from the USB port on the computer to the UPS unit.

7. Communication Protection Ports(RJ45&RJ11)

Communication protection ports will protect any standard modem, fax, telephone line, or network cable..

8. Input Circuit Breaker

The Circuit Breaker provides optimal overload protection.



DEFINITIONS FOR ILLUMINATED LED INDICATORS

LED	Alarm	Condition
Green LED on	Off	Normal
Yellow LED flash	Beep every 30s	Utility Failure - The UPS is providing battery power to outlets.
Yellow LED flash	Beep every 2s	Utility Failure - The UPS is providing battery power. The rapid beeps indicate the battery will run out of power shortly.
Red LED flash	Beep every 0.5s	Overload - Occurs when connected equipment exceeds the rating of the unit. Turn the UPS off and unplug at least one piece of equipment from the UPS.
Red LED on	Beep continuously	Fault - Occurs when the UPS Fail. Unplug the equipment and restart the UPS or Contact Technical Support.

TECHNICAL SPECIFICATIONS

Model	POP-420B	POP-625BS	POP-825BS
Capacity	420VA/210W	625VA/330W	825VA/450W
Input			
Voltage Range	96~138Vac		
Frequency Range	60/50Hz (Auto Sensing)		
Output			
On Battery Output Voltage	Simulated Sine Wave at 110-120Vac		
On Battery Output Frequency	60/50Hz +/-1%		
Overload Protection	On Utility: Circuit Breaker and Internal Current Limiting On Battery: Internal Current Limiting		
Surge Protection			
Lightning / Surge Protection	Yes		
Physical			
Maximum Dimensions (DxWxH)	12 x 4.9 x 3.3in /305 x 125 x 84mm		
Battery			
Sealed Lead Acid Battery	12V/4.5AH*1	12V/6AH*1	12V/6AH*1
Typical Recharge Time	8 hours		
Environment			
Operating Temperature	0°C to 40°C		
Relative Humidity	0 to 90% (Non-condensing)		
Power Maser software	N/A	Windows10/8/7, windows server 2012 R2/2008 R2, Linux ,Mac	
Auto-Charger	Yes		
Auto-Restart	Yes		
USB COMM.	N/A	Yes	Yes

TECHNICAL SPECIFICATIONS

FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a

particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Important: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canadian Compliance

CAN ICES-3 (B)/NMB-3(B)

TROUBLESHOOTING

Problem	Possible Cause	Solution
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.
The UPS does not perform expected runtime.	Battery not fully charged.	Recharge the battery by leaving the UPS plugged in.
	Battery is slightly worn out.	Contact Technical Support.
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 battery is worn out.	Contact Technical Support.
	Mechanical problem.	Contact Technical Support.

SOFTWARE DOWNLOAD

Download the Power Master software to fully utilize this UPS model. The Power Master software provides a user-friendly interface to configure your UPS settings and provides essential power information at a glance.

Installation procedure:

1. Download Power Master from <http://www.marusonusa.com>. Select "Support" and locate the "Software" option..
2. Double-click the file and follow the installation steps.
3. When your computer restarts, the Power Master software will appear as a blue icon located in the system tray.

**Product specification may change without notice. Battery backup time is varies with equipment, configuration, battery age, temperature, etc.



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Power Master Agent	
System Summary	
System	OneMDXVF-1ES1127.0.0.11
UPS status	
Input	
Status	Normal
Information	Voltage 120.0V
Configuration	Frequency 60.00Hz
Diagnosics	Output Normal
Load	Status Normal
Event Action	
Events	Voltage 130.0V
Preempt	Current 0A
Setting	Frequency 60.00Hz
Logs	Load 0.00(Watt)
Event Logs	Battery Status Normal, Fully Charged
Status Records	Shutdown Status Normal, Fully Charged
Settings	Capacity 100%
Schedule	Voltage 216.5V
Shutdown	System Status Normal
Security	Temperature 22.0°C/71.6°F
License	
Authentication	
Network	
Preferences	
User Experience	
Profile	
Help	
Content	
About	
Logout	

MARUSON
UPS SYSTEMS

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