

1. Inspection

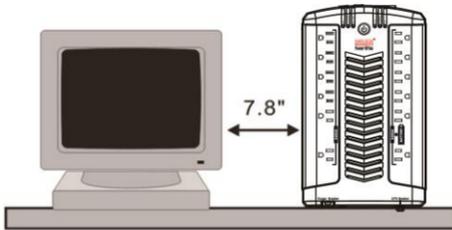
The following items are inside the box:

- User's Manual
- UPS
- Power cord
- Software download guide (UAS Model Only)
- USB cable (UAS Model Only)

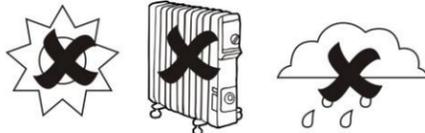
Remove the Power Office UPS from its packaging and inspect it for any damages that may have occurred during shipping. If any damage is discovered, re-pack the unit and return it to the place of purchase.

2. Placement of UPS

Place the Power Office UPS in a protected area that is free of excessive dust and provide at least 7.8 inches (20 cm) clearance on both sides for adequate airflow around the unit.



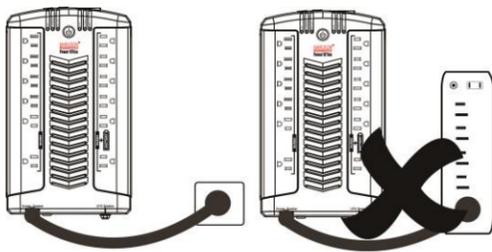
- Avoid direct sunlight.
- Avoid excessive heat.
- Avoid excessive humidity or liquids.
- Avoid excessive dust.



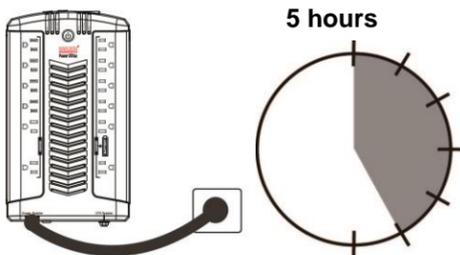
3. Connect UPS to Utility

Use the power cord that came with your UPS to connect the UPS directly to the wall outlet.

Do not power the UPS using a surge suppressor or power strip.



Battery Charging:



Connected to utility power and typically requires less than 5 hours to 90% capacity. Operating runtime is reduced until the battery is fully charged.

4. Connecting Equipment to UPS

Connect the equipment to Battery Power Supplied outlets.

Battery Power Supplied Outlets (6)

Connect the computer, monitor, and external drive to the "Battery Power Supplied" outlets. These outlets provide battery backup, EMI filtering, line conditioning, and surge protection. Battery power is automatically provided in case of power failure.

Beware of the Power Switch it must be kept in the "ON" position, otherwise, the UPS will be disabled and your equipment will not be protected during a power failure.

Surge-Protected Outlets (6):

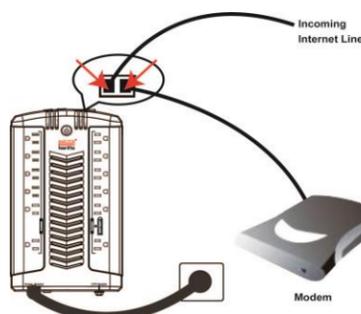
Connect a printer, fax machine, or scanner to the Surge-Only Outlets. These outlets do not provide power during power failure.

The UPS battery charges whenever the UPS is connected to utility power and typically requires less than 5 hours to 90% capacity. Operating runtime is reduced until the battery is fully charged.

5. Connect Modem/Phone/Fax/Network Line

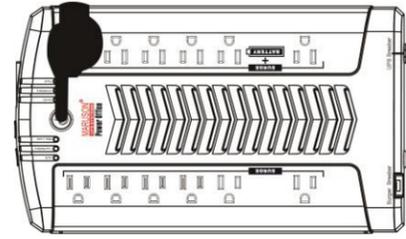
The Power Office UPS 800/1000 protects a single line RJ-11/45(1 in/1 out) phone, modem, fax, or network machine from surge when connected through the UPS Plug in connecting internet line into the "IN" socket.

Use one more internet line cable in the "OUT" socket and plug one other end to the modem input socket as shown in the chart below.



6. Turn On/Off

To turn on the UPS unit, press the power On/Off Switch once. To turn off the UPS unit, press the Power On/Off Switch again.



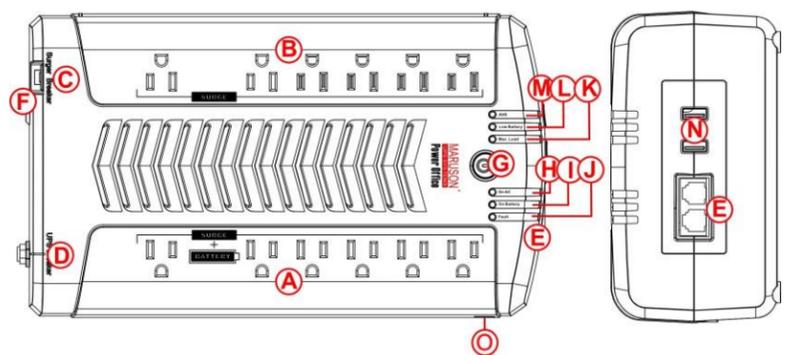
7. Cold Start Function

When the UPS is off and there is no power utility, it's still possible to cold start the UPS unit to power the loads.

8. AC Auto Recovery

When the UPS is in battery mode and can no longer continue to supply battery power to the loads, UPS will shut down. Once AC power is restored, the UPS will automatically turn on and supply power to loads and charge battery.

Panel Information



A: 6 Battery Backup Outlets with Surge Protection

Keeps your critical peripherals (computer, monitor, etc) up and running even when the power is out.

B: 6 Surge-Only Outlets

Protects your non-critical peripherals from AC surges.

C: ECO Power Switch & Surge Breaker

This switch controls the enabling and disabling of the ECO feature to completely cut-off power for surge outlets to save energy. In the event of extreme overload, this surge breaker will trip and will need to be reset. Flip the switch to reset the surge breaker.

D: Circuit Breaker (UPS Breaker)

This resettable circuit breaker will trip when extreme overload is present. Please reduce the amount of equipment plugged into the outlets. Next, reset the circuit breaker by pushing it back in.

E: Phone/Fax/Modem/Network Line Protection (RJ-11/45) Combo Port

1-In, 1-out RJ-11/45 combo port protects phone, fax, modem, and network lines from surges in power.

F: AC Input

G: Turn On/Off

To turn on the UPS unit, press the power On/Off Switch once. To turn off the UPS unit, press the Power On/Off Switch again.

H: Fault Warning Indicator

This red LED lights up when the UPS is faulting. Please take special precautions if this LED is on.

I: On Battery Indicator

This orange LED lights up when the UPS is in Battery Mode, and the power supplied to connected equipment is supplied by the battery not AC power.

J: On AC Indicator

This green LED lights up when the UPS is operating on utility power

K: Max. Load Indicator

This orange LED lights up when maximum load capacity has been reached. Do not plug any more applications to the UPS. It is also suggestion some applications be removed to lighten the load.

L: Low Battery Indicator

This orange LED lights up when the UPS has approximately one minute backup time remaining (based on half-load). Promptly and safely shut-down any open applications; the UPS may shut-down at any time. This LED may also indicate it is time to replace the batteries of this UPS.

M: AVR Indicator

This orange LED lights up when the UPS is operating with AVR function.

N: 2 USB Charging Ports for USB Devices

These two ports provide 5Volts/ 2.1Amp max. charge for smart phones, tablets, cameras, and other USB devices.

O: USB Communication Port (UAS Model Only)

Connect to the computer's USB port and install the software provided with this UPS.

Safety Caution

SAVE THESE INSTRUCTIONS - This manual contains important safety, installation, and operating instructions for the Power Office UPS 800/1000 that should be followed during installation and maintenance of the UPS and batteries.

- This UPS utilizes voltage that may be hazardous. Do not attempt to disassemble the unit. The unit contains no user replaceable parts. Only factory service personnel may perform repairs.
- This pluggable type A equipment with battery already installed by the supplier operator-installable and may be operated by laymen.
- The mains socket outlet that supplies the UPS shall be installed near the UPS and shall be easily accessible.
- During the installation of the equipment, it should be assumed that the sum of the leakage currents of the UPS and the connected loads do not exceed 3.5mA.
- Unplug the UPS prior to cleaning and do not use liquid or spray detergent.
- Connection to any other type of receptacle other than a two-pole, three-wire grounded receptacle may result in shock hazard as well as violate local electrical codes.
- 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.
- Do not allow any 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 unit is intended for installation in a controlled environment (temperature controlled, indoor area free of conductive contaminants). Avoid installing the UPS in locations where there is standing or running water or excessive humidity.
- Do not plug the UPS input into its own output.
- Do not attach a power strip or surge suppressor to the UPS.
- Do not attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.
- 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 heater or furnaces.
- Do not open or mutilate the battery or batteries. Released electrolytes harmful to the skin and eyes and may be toxic.
- Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.

UPS Indicators & Controls

UPS Mode	Status	On Battery LED	On AC LED	Fault LED	Sound
Backup Mode	Battery normal. Load normal.	Two (2) flashes every 4 seconds.	Off		Two (2) beeps every 8 seconds.
	UPS overload. UPS will shut down at 120% of full load.	Two flashes every other two seconds.	Off	On	Continuous beeping.
	Over temperature.	Thirty-two flashes every other seconds.	Off		Sound emitted depends on the load situation.
	UPS short-circuited.	Thirty-two flashes every other seconds.	Off		Thirty-two beeps every other 2 seconds.
	Over battery voltage (for external battery).	Eight flashes every second.	Off		Eight beeps every second.
	In phase lock (AC good, PLL working).	Off	Four flashes every second.	Off	Off
AC Normal Mode	Battery Full.	Off	Continuously on.	Off	Off
	Battery charge at 70%-90%.	Off	One flash every 8 seconds.	Off	Off
	Battery charge at 50%-70% load.	Off	One flash every 4 seconds.	Off	Off
	Battery charge at 30%-50% load.	Off	One flash every 2 seconds.	Off	Off
	Battery charge at 0%-30%.	Off	One flash every second.	Off	Off
	UPS overload. UPS will shut down at 120% of full load.	Off	Off	On	Continuous beeping
Off Mode	Power off (UPS completely off).	Off			Off
	AC normal and battery is charging.	Off	One flash every 2 seconds.	Off	

UPS Indicators & Controls

UPS Mode	Status	AVR LED	Low Battery LED	Max. load LED	Sound
Ac Mode	When UPS in AVR mold	On			N/A
Ac Mode	95% of Max Load			On	N/A
Battery mode	1 min remain (half load)		On		N/A

Battery Recycling Information

UPS contains non-spill able sealed lead-acid batteries. On the battery, you will find the battery name. Please refer to the chart below for recycling information or contact your local distributor for assistance.

Trouble Shooting

Problem	Possible Cause	Solution
LED display does not turn on.	The UPS is not turned on.	Press and hold the Power button for at least 2 seconds.
	Low battery or battery voltage less than 10V.	Charge the battery at least 8 hours.
	PCB failure.	PCB needs to be replaced. Call for servicing information.
UPS is always in Battery Mode.	Power cord is loose.	Reconnect the power cord properly.
	Circuit breaker tripped.	Reset the circuit breaker by pushing it back in.
	PCB failure.	PCB needs to be replaced. Call for servicing information.
When power fails, back-up time is shorter than normal.	The UPS is overload.	Remove some critical load.
	Battery not fully charged.	Charge the UPS at least 8 hours.
	Battery defect. It might be due to high temperature operation environment, or improper operation to battery.	Replace the battery with the same type of battery. Call for servicing information.
UPS beeps continuously.	UPS is overloaded.	Remove some loads.

*If any abnormal situations occur that are not listed above, please call for service immediately. When calling for service, please have the following information read: 1) Model number and serial number; 2) Date the problem occurred and date of purchase; 3) Full description of the problem, including load, LED, and alarm statuses, installation conditions, working environments, etc.

Specification

MODEL		POF-800UA(S)	POF-1000UA(S)
CAPACITY	V/A/W	800 VA / 420 W	1000 VA / 520 W
INPUT	Voltage	110/115/120VAC or 220/230/240VAC	
	Voltage Range	86-144VAC or 154-280VAC	
	Frequency	60/50Hz (Auto Sensing)	
OUTPUT	Frequency Regulation (Batt. Mode)	60Hz or 50Hz +/-1Hz	
	Output Waveform	Simulated sine wave	
BATTERY	Battery Type	12 V/ 7.2 AH x 1pc	12 V/ 9 AH x 1pc
	Back up Time	Up to 40 minutes	Up to 46 minutes
	Recharge Time	< 5 hours to 90% capacity	
TRANSFER TIME		2-6ms (Typical)	
PROTECTION	AC Surge Protection	175 Joules	
	Phone/Fax/Modem Surge Protection	RJ-11/45 (One In One Out)	
	AC Input	Circuit breaker	
	Full Protection	Discharge, Overcharge and Overload Protection	
PHYSICAL	Dimension (DxWxH)	290 x 94 x 170 mm / 11.4 x 3.7 x 6.7 in	
	Net Weight	5 kg / 11.1 lb	5.9 kg / 13.1 lb
USB Charger (two ports)		5VDC, total current 2.1Amp Max.	
Monitoring Software (UAS models only)		Communication Software for Windows 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix, Mac	
ENVIRONMENT	Operating Environment	0-40°C, 0-90 % Relative Humidity (non-condensing)	
	Noise Level	Less than 40dB	

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

Product Warranty and Service Information:

For U.S. customers, please register your product at www.MarusonUSA.com. For international customers, please contact your local authorized distributor or e-mail Service@MarusonUSA.com for assistance.



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