

APC 3000VA SMART-UPS



APC SUA3000I 3000VA Smart-UPS Installation Guide

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APC SUA3000I 3000VA Smart-UPS



Installation Guide Smart-UPS I/O Hardwire Kit

Safety Information

- read these instructions before hardwiring the UPS
- Wiring must be performed by qualified electrical personnel.

Adhere to all national and local electrical codes when wiring this unit.

1. Disconnect equipment connected to the UPS.
 - **NOTE:** Model 5000RM5U has four internal batteries. The two front batteries must be disconnected.
2. Press the OFF button located on the front of the UPS.
3. Disconnect batteries from the UPS.
 - Model 5000RM5U has four internal battery modules. The two front internal batteries must be disconnected.
 - Models 2200/3000XL require the disconnect of one internal battery module. The XL models may have external batteries connected to the UPS. The external batteries must be disconnected from the UPS.
 - All other units require the disconnect of one internal battery module.
4. Disconnect the UPS from the utility power.

When removing the panels from the UPS, note which cable is connected to the AC input. There are two 4-pin

connectors on the UPS and they are not interchangeable.

APC Worldwide Customer Support

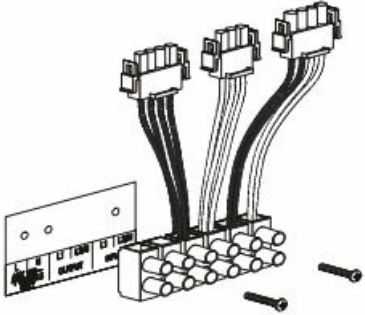



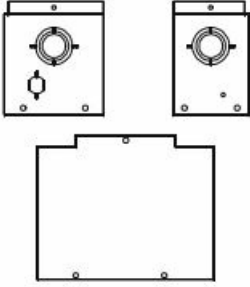
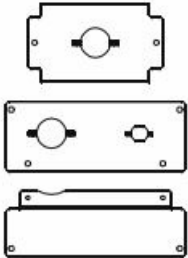
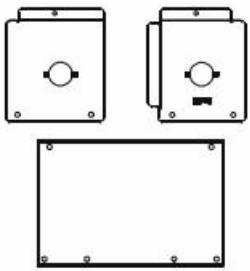
Customer support for this or any other APC product is available at no charge in any of the following ways:

- Refer to the APC website to access documents in the APC Knowledge Base and to submit customer support requests.
 - www.apc.com (Corporate Headquarters)
- Connect to localized APC Web sites for specific countries, each of which provides customer support information.
 - www.apc.com/support/
- Global support searching APC Knowledge Base and using e-support.
- Contact an APC Customer Support center by telephone or e-mail.
- Local, country-specific centers: go to www.apc.com/support/contact for information.
- Contact the APC representative or other distributor from whom you purchased your APC product for information on how to obtain local customer support.

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Package Contents

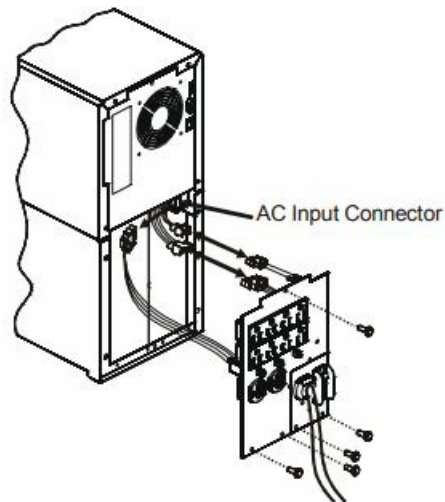
	<p>Terminal block Terminal block label</p> <p>Screws for securing the terminal block to UPS</p>	
 8 screws for securing panels to UPS	 2 wire nuts	 4 grounding screws
	<p>Model 2200/3000 Tower 100/120/230 V</p> <p>Input and output panels</p> <p>Blank panel to cover terminal block</p>	
	<p>Model 2200/3000XL 120/208/230 V</p> <p>Input panel</p> <p>Output panel</p> <p>Blank panel to cover terminal block</p>	
	<p>Model 5000RM5U 208/230 V</p> <p>Input and output panels</p> <p>Blank panel to cover terminal block</p>	

2200/3000 Tower 100/120/230 V models

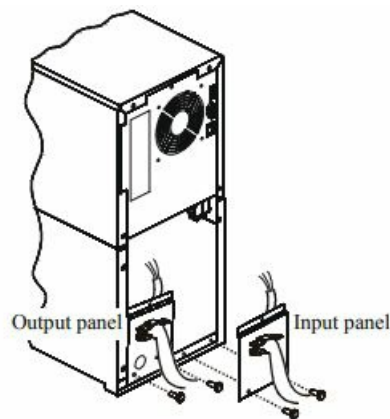
The AC input/output panels on the 2200/3000 VA tower units vary in appearance. The hardwire panels and hardwiring configurations for the 2200/3000 VA tower units are identical.

1. Remove the five screws that secure the PDU/IO panels to the UPS. Save these screws for securing the I/O hardwire panels. Disconnect the PDU/IO cables as shown in the diagram.

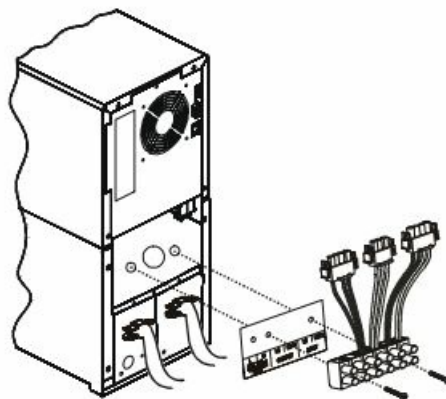
NOTE: The input and output cables may be connected to the terminal block before installing the panels and the terminal block in the UPS.



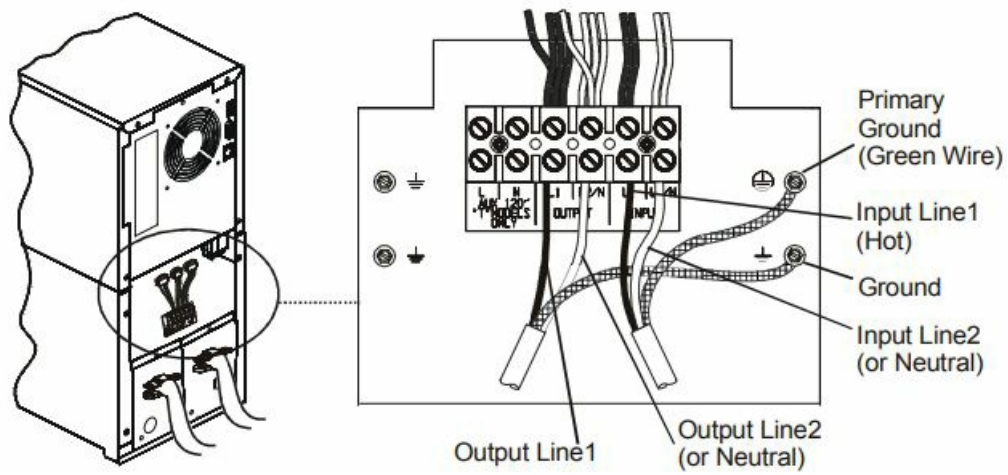
2. Secure the hardwire input and output panels (supplied), to the UPS using four of the screws removed from the PDU/IO panels. Install appropriate strain relief clamps (not supplied), to the I/O panels as shown in the diagram.



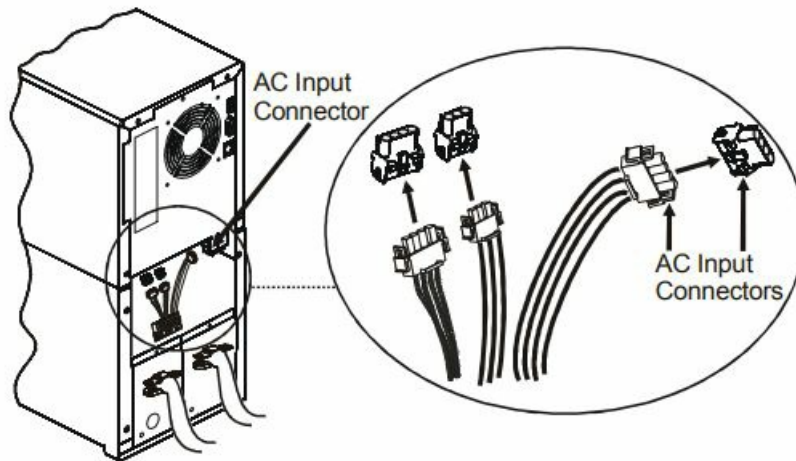
3. Secure the terminal block and label to the UPS as shown in the diagram, using two screws (supplied).



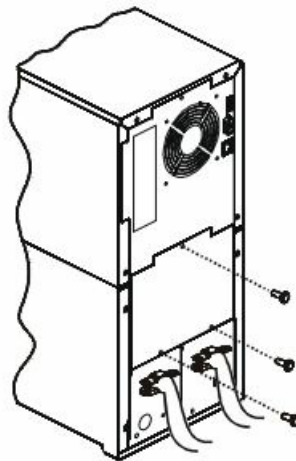
4. Connect input and output wires as shown in the diagram.



5. Connect the terminal block and UPS connectors as shown in the diagram.



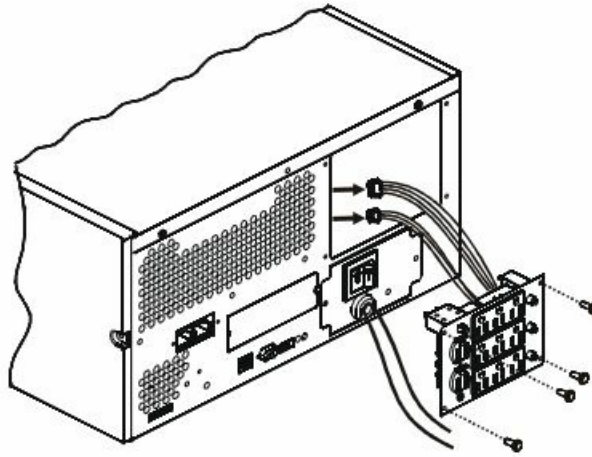
6. Secure the blank panel to the UPS using three screws (supplied).



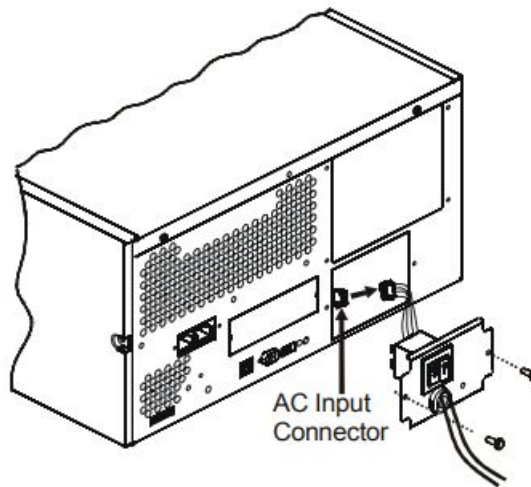
2200/3000XL 120/208/230 V models

The PDU and AC input/output panels on the 2200/3000 VA rack-mount units vary in appearance. The hardwire panels and hardwiring configurations for the 2200/3000 VA rack-mount units are identical.

1. Remove the screws that secure the PDU panel to the UPS. Save these screws for securing the I/O hardwire panels. Disconnect the PDU cables as shown in the diagram.

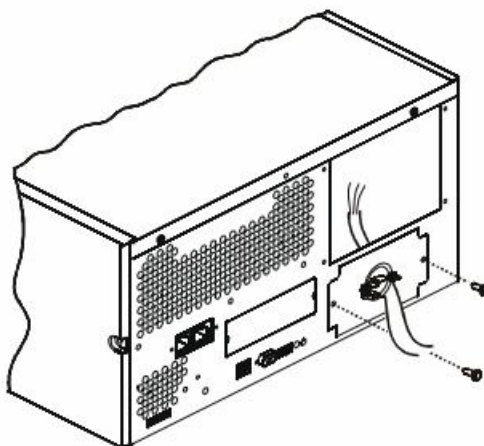


2. Remove the screws that secure the I/O panel to the UPS. Save these screws for securing the I/O hardwire panels. Disconnect the input cable

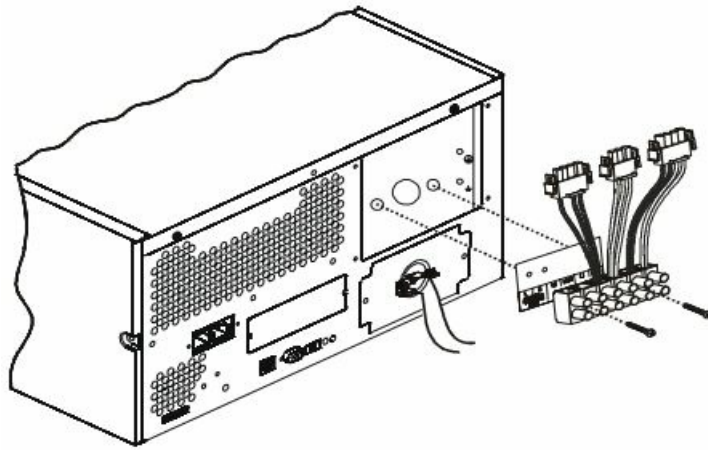


NOTE: The input and output cables may be connected to the terminal block before installing the panels and the terminal block in the UPS.

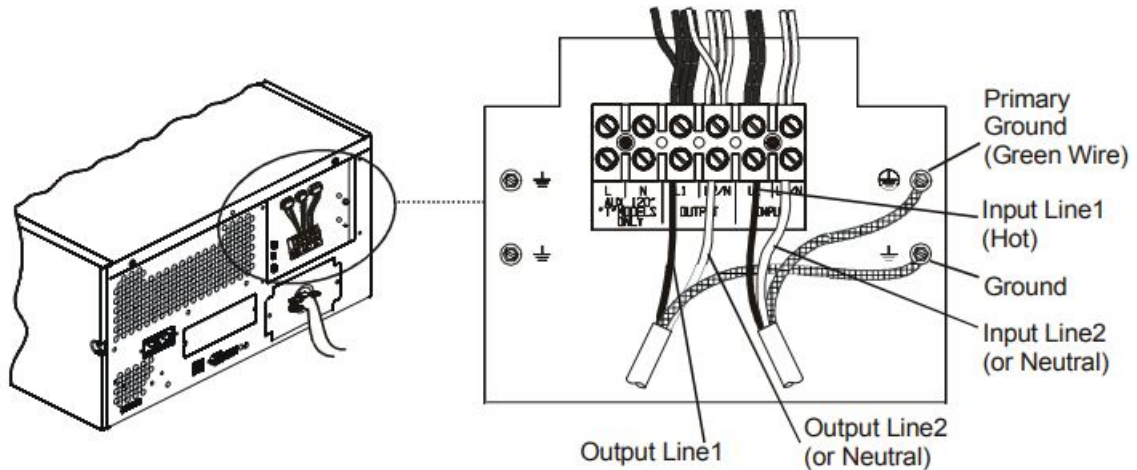
3. Secure the hardwire input panel (supplied), to the UPS using two of the screws removed from the PDU panel. Install appropriate strain relief clamps (not supplied), to the input panel (not supplied), as shown in the diagram.



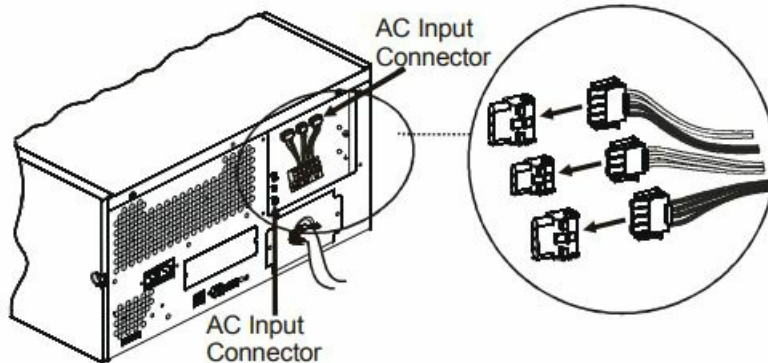
4. Secure the terminal block and label to the UPS as shown in the diagram, using two screws (supplied).



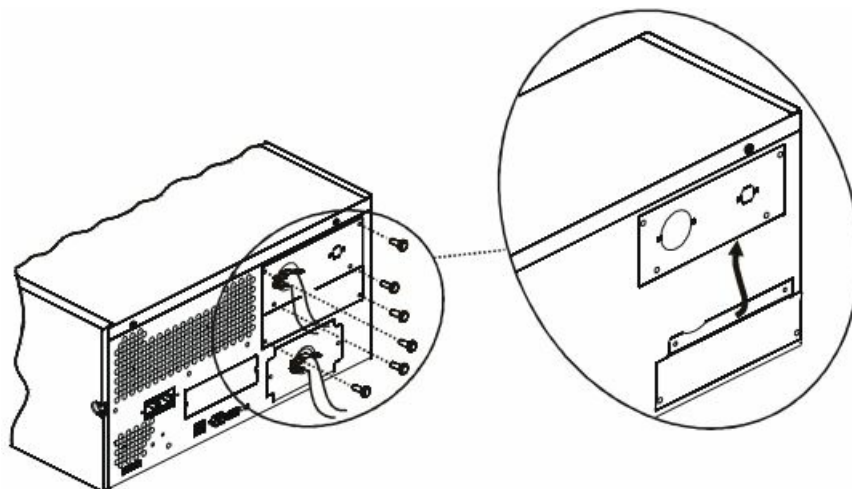
5. Connect input and output wires as shown in the diagram.



6. Connect the terminal block and UPS connectors as shown in the diagram.

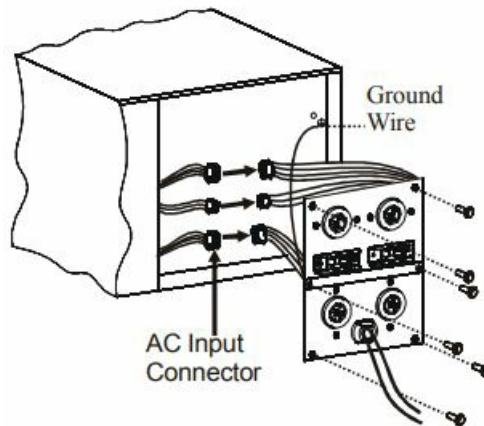


7. Secure the output panel to the UPS using two screws, (screws and panel supplied). The top edge of the blank panel fits behind the output panel. Secure the blank panel to the UPS using four screws supplied.



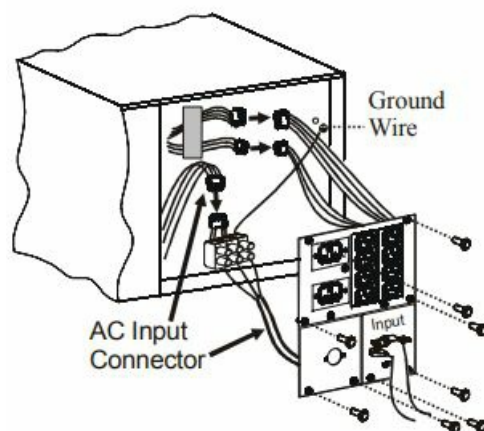
208 V model

- Remove the six screws that secure the PDU/IO panel to the UPS.
- Save these screws for securing the IO hardwire panels.
- Disconnect the PDU/IO cables as shown in the diagram.

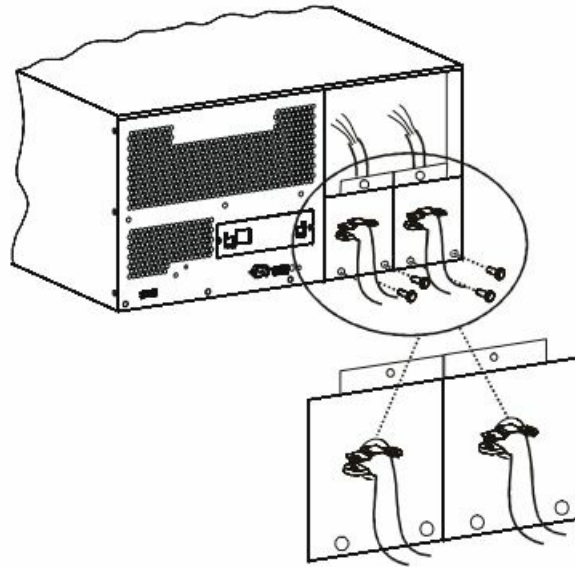


230 V model

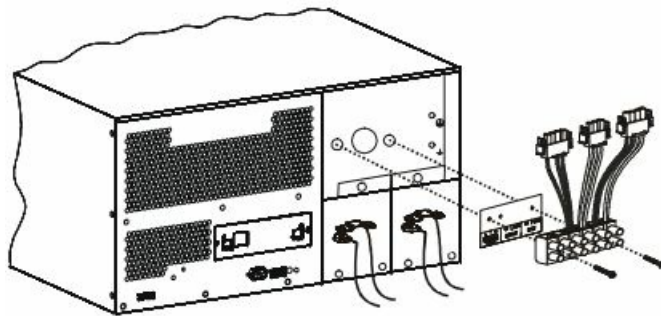
- Remove the eight screws that secure the PDU/I panel to the UPS. Remove the two screws that secure the terminal block in the chassis.
- Save these screws for securing the IO hardwire panels.
- Disconnect the PDU/IO cables as shown in the diagram.



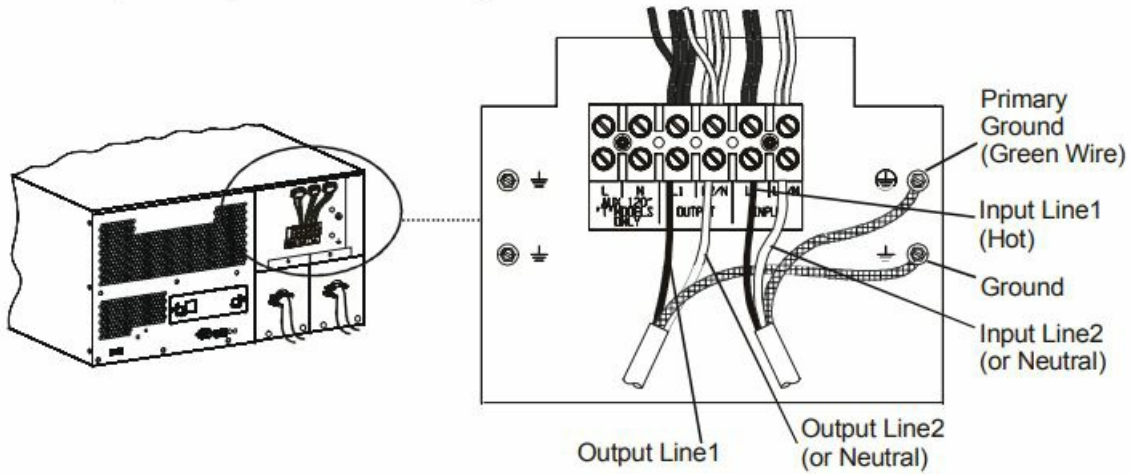
- Secure the hardwire input and output panels (supplied), to the UPS using the four screws removed from the PDU/IO panel.
- Install appropriate strain relief clamps (not supplied), to the I/O panels (supplied), as shown in the diagram.
 - **NOTE:** The input and output cables may be connected to the terminal block before installing the panels and the terminal block in the UPS.



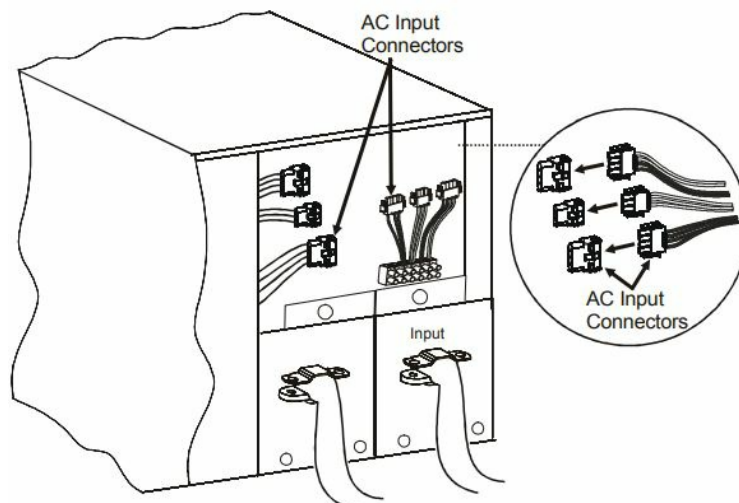
- Secure the terminal block and label to the UPS as shown in the diagram, using two screws (supplied).



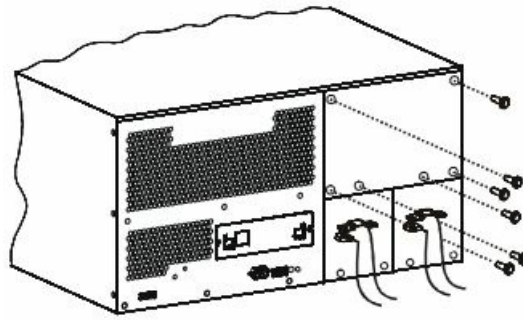
- Connect input and output wires as shown in the diagram.



- Connect the terminal block and UPS connectors as shown in the diagram.



- Secure the blank panel to the UPS using six screws (supplied).



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Frequently Asked Questions

What is the APC 3000VA Smart-UPS, and what is its purpose?

The APC 3000VA Smart-UPS is a power protection and backup system designed to provide uninterrupted power to critical equipment during electrical outages or fluctuations. It ensures that sensitive electronics and devices remain operational.

Are there any safety precautions I should be aware of when hardwiring the APC 3000VA UPS?

Yes, safety is paramount. Before hardwiring the UPS, ensure you read the provided safety information. Wiring should be carried out by qualified electrical personnel, and all national and local electrical codes must be followed.

Where can I find customer support for the APC 3000VA Smart-UPS?

APC provides customer support through various channels, including their website, localized APC web pages for specific countries, and APC customer support centers by telephone or email.

What is included in the package contents of the APC 3000VA Smart-UPS?

The package contents typically include terminal blocks, terminal block labels, screws for securing the terminal block to the UPS, additional screws for securing panels to the UPS, wire nuts, and grounding screws. The specific components may vary depending on the model and configuration.

Is the APC 3000VA Smart-UPS available in different voltage configurations?

Yes, the APC 3000VA Smart-UPS is available in various voltage configurations, including 100/120/230 V, 120/208/230 V, and 208/230 V. The specific voltage configuration may depend on the model you have.

How should I ensure that input and output cables are correctly connected to the terminal block before installing panels and the terminal block in the APC 3000VA UPS?

Before installation, connect the input and output cables to the terminal block as instructed for your UPS model.

What is the purpose of strain relief clamps, and how do I install them?

Strain relief clamps protect cables from tension and pulling. While they are mentioned, installation details may vary by model.

What is the purpose of a Smart-UPS like the APC 3000VA?

The APC 3000VA Smart-UPS is designed to provide uninterruptible power protection for critical electronic equipment, such as servers, routers, switches, and other network devices. It ensures that your equipment remains operational during power outages and offers protection against power surges and fluctuations.

How can I connect the APC 3000VA UPS to my devices?

You can connect your devices to the UPS using the available output connections, including IEC Jumpers, IEC 320 C13, and IEC 320 C19 connectors. These connections allow you to connect a variety of devices to the battery backup.

Can I replace the APC 3000VA UPS batteries myself?

Yes, the UPS is designed with user-replaceable batteries, allowing trained users to replace the batteries when needed. This feature reduces downtime and increases availability.

How does the APC 3000VA UPS notify me of battery failures?

The UPS provides battery failure notification through early-warning fault analysis. When the batteries require maintenance or replacement, the UPS will provide notifications to ensure timely preventive maintenance.

What is the significance of resettable circuit breakers in the APC 3000VA UPS?

Resettable circuit breakers enable quick recovery from overload events. If the UPS experiences an overload, these circuit breakers can be reset to restore normal operation.

Reference: [APC SUA3000I 3000VA Smart-UPS Installation Guide-device.report](#)

References

- [User Manual](#)

