



User Manual

English

SURT192XLBP External Battery Pack

**For Use With Smart-UPS® RT 3000/5000/7500/10000 VA
Uninterruptible Power Supply**

990-1387 03/2003

Introduction

The SURT192XLBP connects to the APC Smart-UPS® RT 3000/5000/7500/10000 VA. Together these units provide extended protection from blackouts, brownouts, sags, and surges for your computer and other critical electronic equipment.

1: INSTALLATION

Refer to the Safety Instruction sheet included with the UPS before installing the batteries.

Unpacking

Inspect the unit upon receipt. Notify the carrier and dealer if there is damage.

The packaging is recyclable; save it for reuse or dispose of it properly.

Check the package contents:

- the external battery pack
- the front bezel
- two tie brackets and 4 screws
- product documentation, Safety Guide, warranty information

Placement of the External Battery Pack

Place the external battery pack where it will be used.

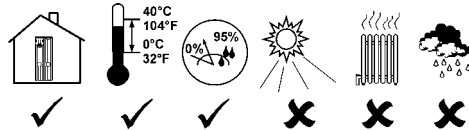
The unit is heavy. Select a location sturdy enough to handle the weight.



Do not operate this unit where there is excessive dust or the temperature and humidity are outside the specified limits. Refer to the APC web site, www.apc.com for details.

Ensure the air vents on the front and rear of the unit are not blocked.

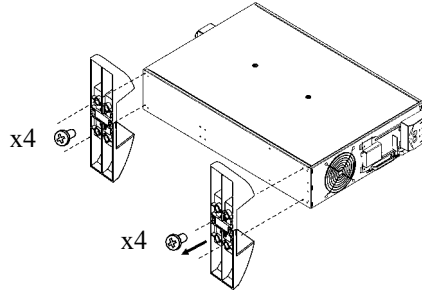
PLACEMENT



Installing the External Battery Pack(s)

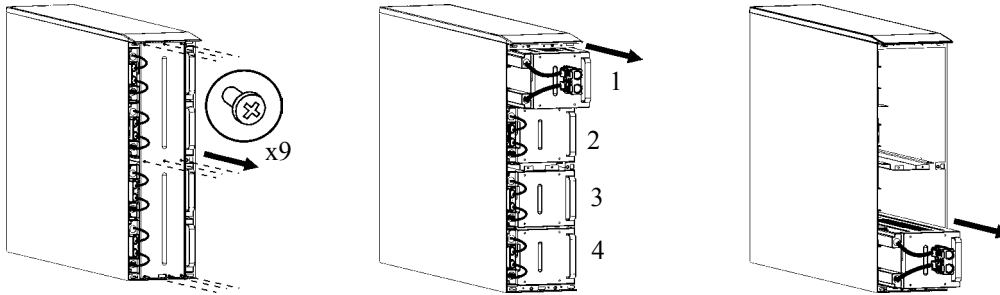
Your UPS model may vary from the model depicted in the diagram. The battery installation procedure is identical for all models.

Prior to connecting the batteries, and tie brackets (when used), remove the feet (if installed), from the bottom of the UPS. See diagram.



REMOVING BATTERIES FROM THE EXTERNAL BATTERY PACK

This unit is heavy. To lighten the unit, remove the batteries. Refer to the unpacking instructions on the carton the unit is shipped in or see instructions below.



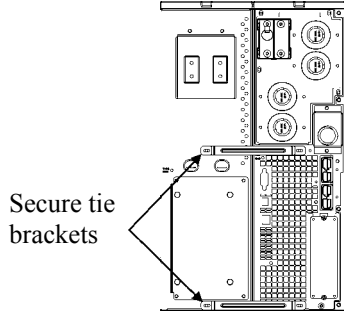
TOWER CONFIGURATION

Installing and Connecting the External Battery Pack(s)

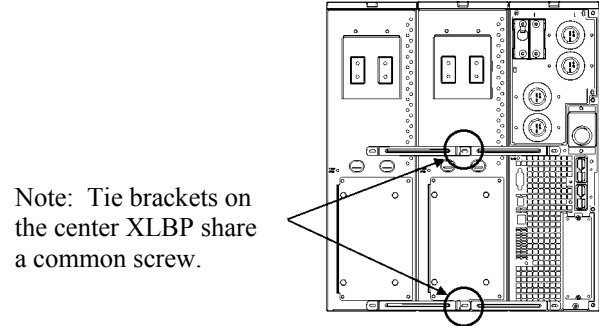
NOTE: The external battery packs must be installed to the left of the UPS when facing the rear of the units, (see diagrams below).

1. Install the tie brackets (screws included), as shown in the diagrams below.

UPS and One External Battery Pack



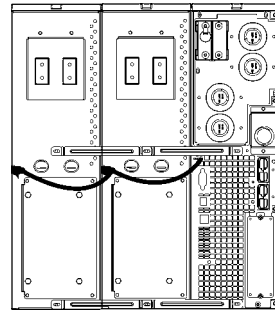
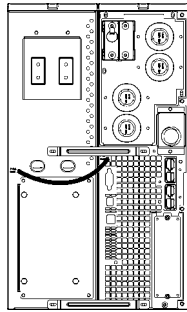
UPS and Two External Battery Packs



Note: Tie brackets on the center XLBP share a common screw.

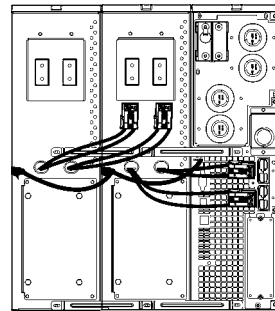
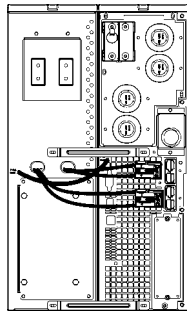
2. Connect the green/yellow ground wires (screws included), as shown in the diagrams below.

TVSS Ground Wire Connections

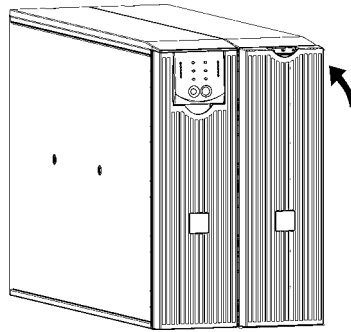
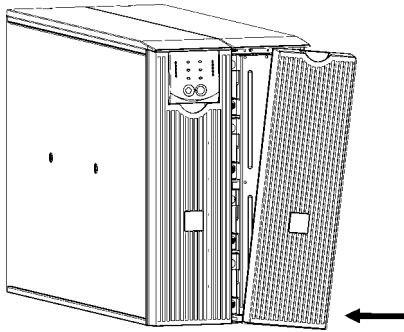
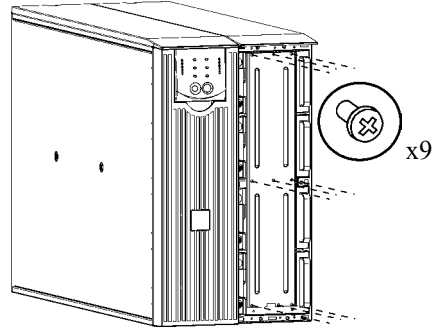
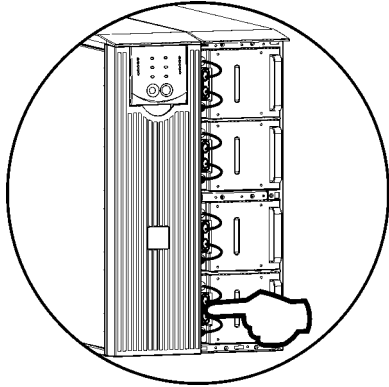
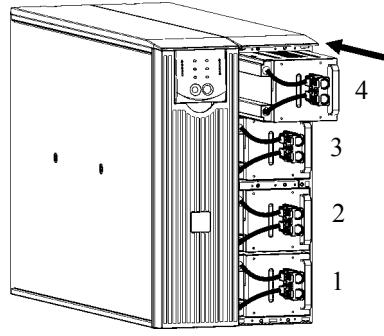
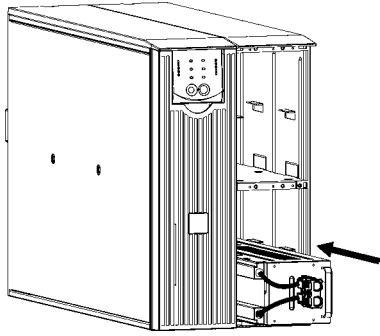


3. Connect the rear panel batteries as shown in the diagrams below.

Rear Battery Connections



Installing and Connecting the Front Batteries and Attaching the Bezel



RACK MOUNT CONFIGURATION

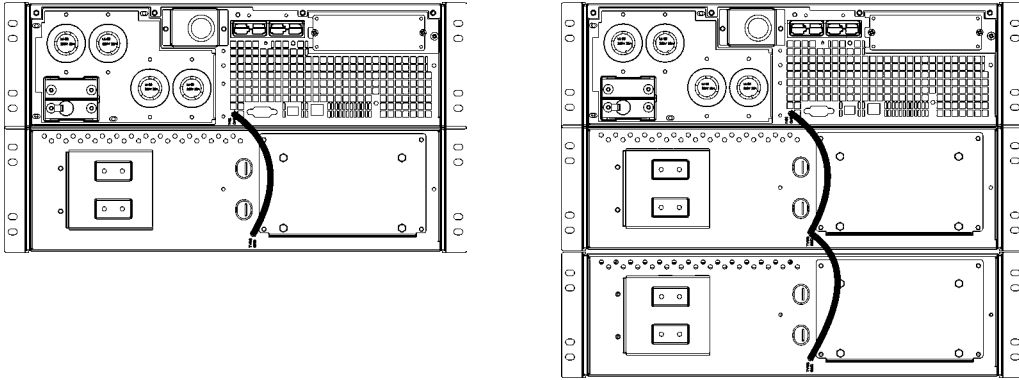
Refer to the Installation Guide included in Rail Kit SURTRK2 for instructions on mounting the UPS and the external battery packs into a rack.

NOTE: The external battery packs must be mounted below the UPS in the rack.

Installing and Connecting the External Battery Pack(s)

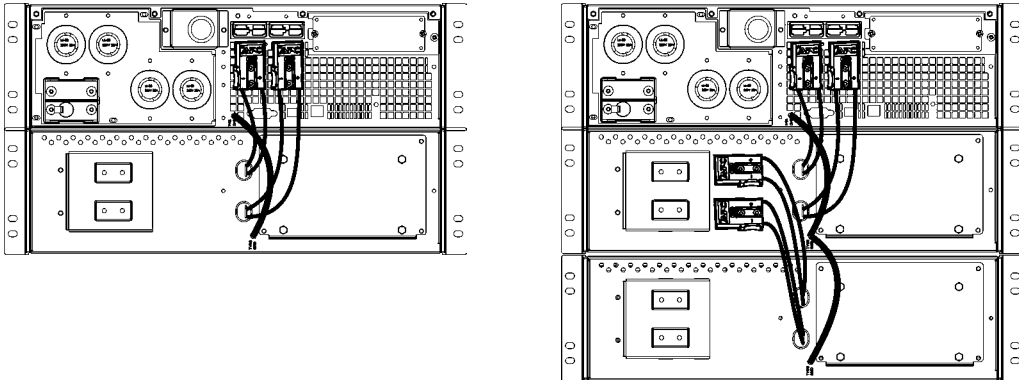
1. Connect the green/yellow ground wires (screws included), as shown in the diagrams below.

TVSS Ground Wire Connections

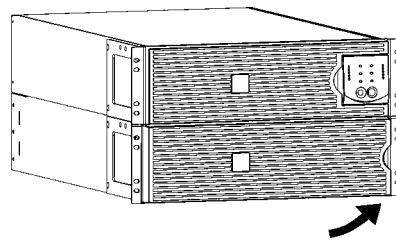
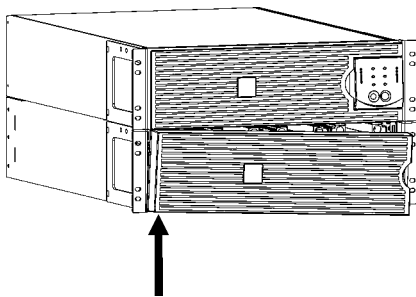
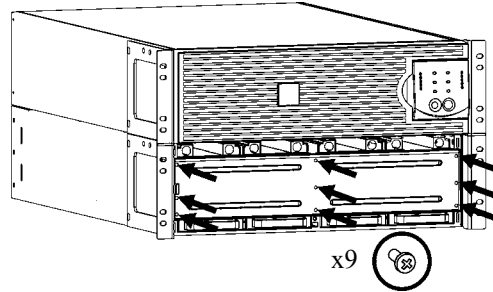
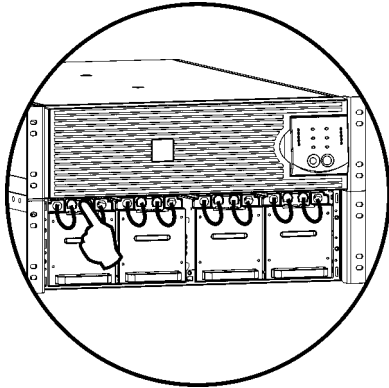
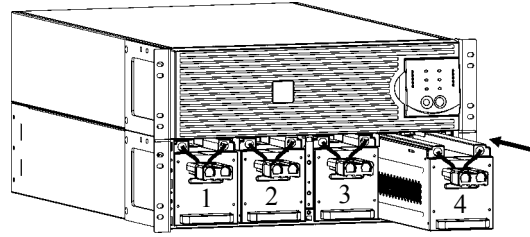
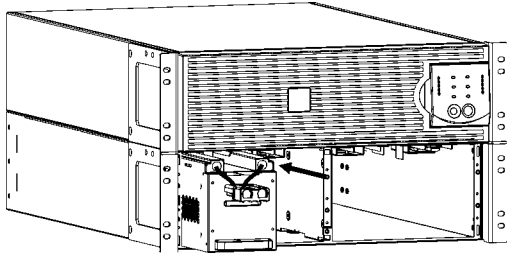


2. Connect the rear panel batteries as shown in the diagrams below.

Battery Connections



Installing and Connecting the Front Batteries and Attaching the Bezel



Setting the UPS to Recognize the Battery Pack(s)

This configuration affects the accuracy of the runtime calculations that the UPS performs while running on battery power.

Settings are made through supplied PowerChute® *Business Edition*, or PowerChute® *Network Shutdown* software, optional Smart Slot accessory cards, or Terminal Mode.

Refer to the instructions included with the software or accessory cards. See Terminal Mode instructions below.

TERMINAL MODE FOR 3000 VA MODELS

Terminal Mode is a menu driven interface that enables enhanced configuration of the UPS.

Connect the serial cable to the serial com connector on the back of the UPS.

USING TERMINAL MODE PROGRAM WITH WINDOWS 2000 TO SET NUMBER OF BATTERY PACKS

1. Exit PowerChute® *Business Edition* software. Follow these steps:
 - From the Desktop, go to **Start => Settings => Control Panel => Administrative Tools => Services**.
 - Select **APC PCBE Server** and **APC PCBE Agent** – right click the mouse and select **Stop**.
2. Open a terminal program. Example: HyperTerminal
 - From the Desktop, go to **Start => Programs => Accessories => Communication =>HyperTerminal**.
3. Double-click on the **HyperTerminal** icon.
 - Follow the prompts to choose a name and select an icon. Disregard the message, “...must install a modem,” if it is displayed. Click OK.
 - Select the **COM** port that is connected to your UPS. The port settings are:
 - ✓ *bits per second - 2400*
 - ✓ *data - bits 8*
 - ✓ *parity - none*
 - ✓ *stop bit - 1*
 - ✓ *flow control - none*
 - Click Enter
4. Once the blank terminal window is open, follow these steps to enter the number of battery packs:
 - Press Enter to initiate terminal mode. Follow the prompts:
 - Press 1 to modify UPS Settings. Press e (or E) to modify the number of battery packs. Enter the number of battery packs, including the internal battery pack. Press Enter.
 - Follow the prompts.
5. Exit the terminal program.

TERMINAL MODE FOR 5000/7500/10000 VA MODELS

When using PowerChute® *Network Shutdown* software:

1. Open a terminal program. Example: HyperTerminal
 - From the Desktop, go to **Start => Programs => Accessories => Communication =>HyperTerminal.**
2. Double-click on the **HyperTerminal** icon.
 - Follow the prompts to choose a name and select an icon. Disregard the message, "...must install a modem," if it is displayed. Click OK.
 - Select the **COM** port that is connected to your UPS. The port settings are:
 - ✓ *bits per second - 2400*
 - ✓ *data - bits 8*
 - ✓ *parity - none*
 - ✓ *stop bit - 1*
 - ✓ *flow control - none*
 - Click Enter
3. Once the blank terminal window is open, follow these steps to enter the number of battery packs:
 - Press ENTER to initiate terminal mode. Press ENTER multiple times, until the prompt **User Name:** is displayed. Follow the prompts. Type slowly, waiting until each character appears on the screen prior to typing the next character.
 - User Name: apc
 - Password: apc
 - Press 1 and ENTER to select Device Manager.
 - Select the model by entering the corresponding number, then press ENTER.
 - Press 3 and ENTER to select Configuration.
 - Press 1 and ENTER to select Battery.
 - Press 2 and ENTER to change the Battery Settings.
 - Type in the number of external battery packs, then press ENTER.
 - Press 3 and ENTER to accept the changes.
 - Press ESC multiple times (5) to return to the main menu.
 - Press 4 and ENTER to log out.

4: STORAGE, MAINTENANCE, AND SERVICE

Storage

Store the UPS covered and positioned as for proper functioning, in a cool, dry location, with the batteries fully charged.

Store at: 50,000 ft (15,000 m)

-4° to 140° F (-20 to 60 ° C) Charge the batteries every 6 months.

Replacing the Battery Module

This UPS has an easy to replace, hot-swappable battery module. Replacement is a safe procedure, isolated from electrical hazards. You may leave the UPS and connected equipment on during the procedure. See your dealer or contact APC at the web site, www.apc.com for information on RBC44 replacement battery modules.

The UPS battery life differs based on usage and environment. Refer to www.apc.com for on battery runtimes.

Service

If the UPS requires service follow these steps:

1. Contact APC Customer Service through the APC web site, www.apc.com/support.
 - Note the model number of the unit, the serial number, and the date purchased. If you call APC Customer Service, a technician will ask you to describe the problem and try to solve it over the phone, if possible. If this is not possible, the technician will issue a Returned Material Authorization Number (RMA#).
 - If the unit is under warranty, repairs are free. If not, there is a repair charge.
2. Pack the unit in its original packaging. If the original packing is not available, refer to the APC web site, www.apc.com/support, for information about obtaining a new set.
 - Pack the unit properly to avoid damage in transit. Never use Styrofoam beads for packaging. Damage sustained in transit is not covered under warranty.



Always DISCONNECT THE BATTERY(S) before shipping in compliance with U.S. Department of Transportation (DOT) regulations.

The battery(s) may remain in the UPS.

3. Mark the RMA# on the outside of the package.
4. Return the unit by insured, prepaid carrier to the address given to you by Customer Service.

Contacting APC

In the USA ...	Outside the USA ...
Refer to the APC web site, www.apc.com/support .	Refer to the APC web site, www.apc.com . Select the appropriate country from the country selection field. Select the <i>Support</i> tab at the top of the web page.

5: REGULATORY AND WARRANTY INFORMATION

Regulatory Agency Approvals

See User Manuals for SURT3000/5000XL 3U and SURT7500/10000XL 6U models for complete regulatory approval listings.



Declaration of Conformity

2003
www.americanpower.com

CE Declaration of Conformity

We, the undersigned, declare under our sole responsibility that the equipment specified below conforms to the following standards and directives:

Standards to Which Conformity is Declared:	EN 50091-1-1, 2, EN 55022, EN 61008-1-2, EN 61009
Application of Council Directives:	73/23/EEC, 89/339/EEC
Type of Equipment:	External Battery Pack
Model Numbers:	SURT19231 BP
Manufacturer's Name and Address:	American Power Conversion 127 The Grinnell Road West Kingston, Rhode Island, 02892, USA — American Power Conversion (A. P. C.) S. A. Ballyfern Business Park Galway, Ireland — American Power Conversion 2nd Floor PEZA Cebu Economic Zone Boracay, Cebu Philippines — American Power Conversion Main Avenue, Park Roxas, Cavite, Philippines — APC (Shanghai) UPS Co., Ltd 216 Siping Road, Lu Suzhou Industrial Park Suzhou, Jiangsu, 215101 P. R. China — American Power Conversion (A. P. C.) S. A. Ballyfern Business Park Galway, Ireland
Importer's Name and Address:	
Place:	N. Billerica, MA, U.S.A. Richard J. Everett, Sr. Regulatory Compliance Engineer 5 Jan 02
Place:	Galway, Ireland Ray S. Heiland, Managing Director, Europe 3 Jan 02

Limited Warranty

American Power Conversion (APC) warrants its products to be free from defects in materials and workmanship for a period of two years from the date of purchase. Its obligation under this warranty is limited to repairing or replacing, at its own sole option, any such defective products. To obtain service under warranty you must obtain a Returned Material Authorization (RMA) number from customer support. Products must be returned with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase. This warranty does not apply to equipment that has been damaged by accident, negligence, or misapplication or has been altered or modified in any way. This warranty applies only to the original purchaser who must have properly registered the product within 10 days of purchase.

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