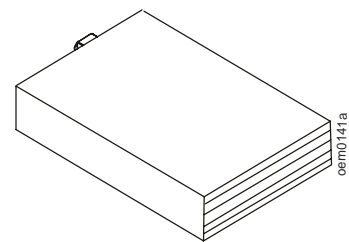
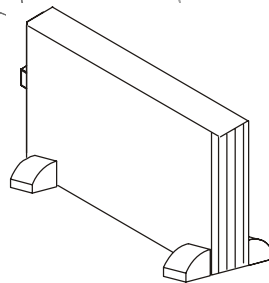


# Installation and Operation

## Smart-UPS<sup>®</sup>

External Battery Pack  
Tower/Rack-Mount 2U/3U  
SRC192XLBP  
SRC240XLBP1  
SRC240XLBP2





**Smart-UPS®**

**External Battery Pack  
Tower/Rack-Mount 2U/3U**

SRC192XLBP

SRC240XLBP1

SRC240XLBP2

English

# Overview

The APC® by Schneider Electric Smart-UPS® SRC 5/6/8/10 kVA is a high performance uninterruptible power supply (UPS). It provides protection for electronic equipment from utility power blackouts, brownouts, sags, and surges; small utility fluctuations and large disturbances. The UPS also provides battery backup power until utility power returns to safe levels or the batteries are fully discharged.

## Safety



**Read the Safety Guide included in the package before installing the UPS.**

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



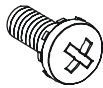
Recycle the packaging.

## Inventory

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### SRC192XLBP

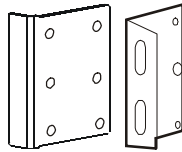
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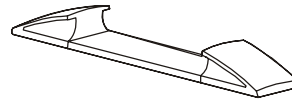
(12)



(6)



(1 pair)

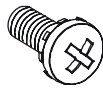


(2)

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### SRC240XLBP1/SRC240XLBP2

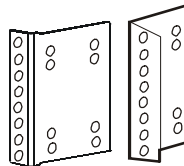
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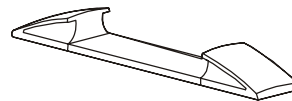
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(12)



(1 pair)

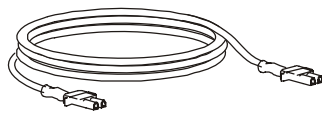


(2)

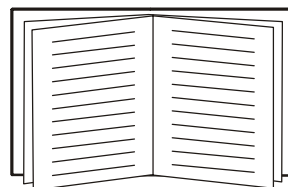
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### All models

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(1)



(1 User Manual)

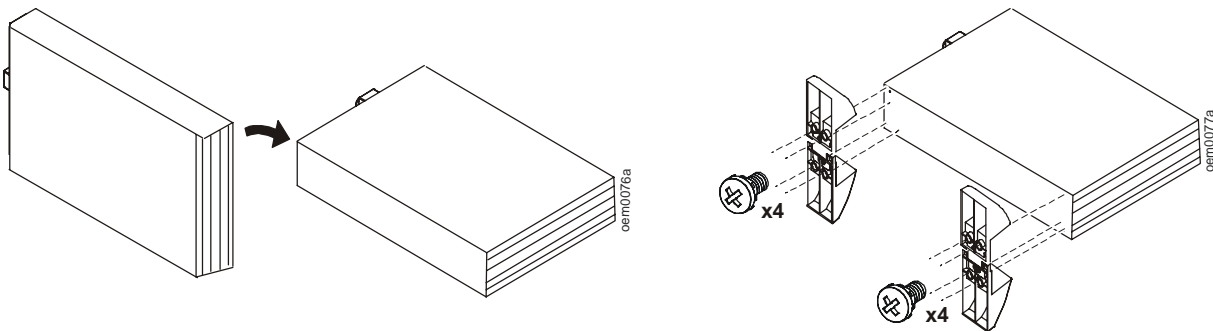
# Specifications

|                          |   |   |   |
|--------------------------|---|---|---|
| <b>Temperature</b>       | <b>Operating</b>                            | 0° to 40° C (32° to 104° F)   | This unit is intended for indoor use only. Select a location sturdy enough to handle the weight.  |
|                          | <b>Storage</b>                              | -15° to 45° C (5° to 113° F)<br>charge UPS battery every six months |   |
| <b>Maximum Elevation</b> | <b>Operating</b>                            | 3,000 m (10,000 ft)   | Do not operate UPS where there is excessive dust or temperature or humidity are outside specified limits.<br><b>This unit has air vents. Allow adequate space for proper ventilation.</b> |
|                          | <b>Storage</b>                              | 15,000 m (50,000 ft)  |   |
| <b>Humidity</b>          | 0% to 95% relative humidity, non-condensing |   | Environmental factors impact battery life. High temperatures, poor utility power, and frequent, short duration discharges will shorten battery life.                                      |

# Installation

## Tower Configuration

Install stabilizer brackets



# Connect External Battery Packs to UPS

## Battery safety

Read and adhere to all safety warnings when the external battery packs are installed.

Failure to observe these warnings may result in serious injury, death or damage to the equipment.

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- Do not attempt to install the external battery packs.
  - A qualified electrician should perform the installation of the external battery packs.
- 

### Practices

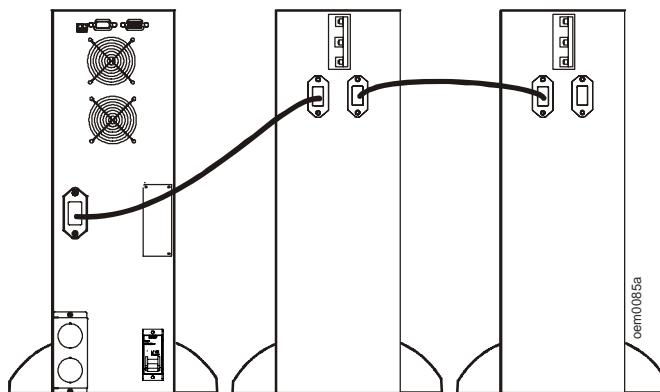
- Always wear:
    - Goggles or face shields
    - Acid-resistant, insulated gloves
    - Protective aprons
    - Protective overshoes or rubber boots
  - Always Use:
    - Insulated tools
    - Rubber mats to cover batteries during servicing
    - Rubber mats or rubber stands on the floor
    - Adequate lifting devices
  - Remove: watches, rings, and other metal objects from your body
- 

### Precautions

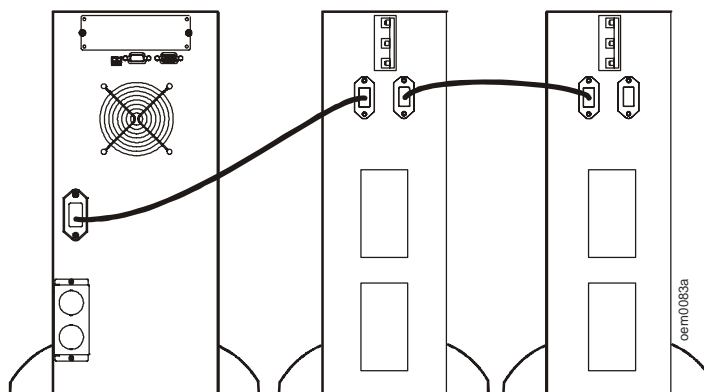
- Do not lay tools or metal parts on top of battery packs.
  - Lead-acid batteries contain hazardous, toxic materials.
    - Do not open, alter or mutilate battery packs. Internal materials may be harmful to the skin and eyes.
    - Do not dispose of batteries in a fire. There is danger of explosion.
  - Handle, transport and recycle batteries in accordance with local codes and regulations.
-

# Installation

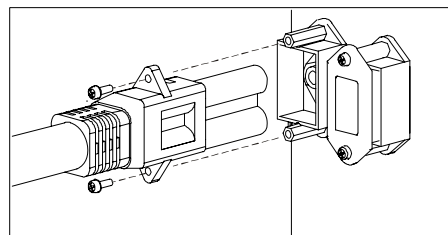
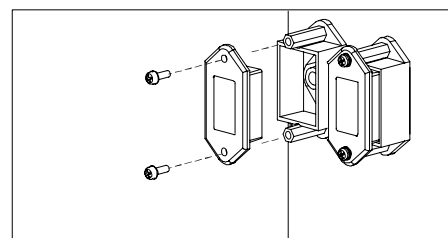
## SRC192XLBP



## SRC240XLBP1/SRC240XLBP2



1. Set the circuit breaker switch on the rear panel of external battery pack to the **OFF** position.
2. Remove battery connector cover on both the UPS and the battery pack. Keep the screws.
3. Plug the XLBP cable into the UPS external battery pack receptacle.
4. Secure the cable on the UPS and the battery pack with the screws removed in step 2.
5. Set the circuit breaker switch on the rear panel of the battery pack to the **ON** position.



# Configure UPS Parameters

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

**Refer to the *Battery String Configuration* tables at the end of this section for detailed instructions.**

Smart-UPS RC models must be programmed to recognize the number of battery strings connected to the UPS. There are four options available for configuring the UPS to recognize the number of battery strings

1. UPS terminal mode
2. UPS display interface

## Configure UPS connection settings using UPS terminal mode

Connect the serial cable to the serial port on the back of the UPS. If using USB communication to the UPS, disconnect USB cable prior to connecting serial cable.

1. Open a terminal program, such as HyperTerminal  
From the Desktop, go to: **Start, Programs, Accessories, Communication, HyperTerminal**
2. Follow the prompts to choose a name and select an icon. Disregard the message, "...must install a modem," if it is displayed. Click **Cancel**
3. Go to **File, Properties**. 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**
4. Click **OK** in each of two windows
5. Press **ENTER**

## Configure the number of battery strings through the display interface menus

1. Press the **Enter** key into the main menu.  
Main Menu  
Status
2. Scroll down to configuration.  
Main Menu  
Configuration
3. Press the enter key into the menu of configuration.  
Language  
English
4. Scroll down to battery setup by number of battery pack.  
Ext Battery  
Packs: 0
5. Select the correct number of battery pack.



## Configure the number of battery strings using UPS terminal mode

1. Once the blank terminal window is open, follow these steps to enter the number of battery strings:

**NOTE:** Letter key commands are case sensitive. Use capital letters when using letter key commands.

2. Press **Y**. The UPS will respond with **SM** in the command box. If the UPS does not respond to the **Y** command, ensure the serial cable is securely connected to the serial port on the UPS. Use only an APC supplied serial cable.
3. When **SM** appears in the command box press the **>** key. The UPS will respond with the number of battery strings connected to the UPS. If the UPS has not been previously programmed to recognize the number of battery strings this number will be 1.
4. Use the **+** or **-** keys to change the number of battery strings. **OK** will appear in the command box.
5. Press **>** key. The number of battery strings will appear in the command box.  
**NOTE:** The **+** or **-** keys and the **>** key must be used again to change the number of battery strings from this point in the programming.
6. Press **R**. The UPS will respond with **BYE** in the command box.

## Battery configuration tables

| <b>Smart-UPS XLICH Models - Configure the Number of Battery Packs. Each battery pack consists of one 192 V or one 240 V battery module.<br/>Count the number of battery packs being used and enter that number.</b> |                                   |                           |
|---|-----------------------------------|---------------------------|
| <b>Configuration</b>  |                                   | <b># of Battery Packs</b> |
| <b>Factory Default</b>  | UPS with 1 external battery pack  | 1                         |
| <b>SRC192XLBP<br/>5000 VA/6000 VA</b>   | UPS with 2 external battery packs | 2                         |
|   | UPS with 3 external battery packs | 3                         |
|   | UPS with 4 external battery packs | 4                         |
| <b>SRC240XLBP1<br/>8000 VA</b>  | UPS with 1 external battery pack  | 1                         |
|   | UPS with 2 external battery packs | 2                         |
|   | UPS with 3 external battery packs | 3                         |
|   | UPS with 4 external battery packs | 4                         |
| <b>SRC240XLBP2<br/>10000 VA</b>   | UPS with 1 external battery pack  | 1                         |
|   | UPS with 2 external battery packs | 2                         |
|   | UPS with 3 external battery packs | 3                         |
|   | UPS with 4 external battery packs | 4                         |

| <b>Smart-UPS UXI/UXICH Models - Configure the Number of Battery Packs. Each battery pack consists of one 192 V or one 240 V battery module.<br/>Count the number of battery packs being used and enter that number.</b> |                                   |                           |
|---|-----------------------------------|---------------------------|
| <b>Configuration</b>  |                                   | <b># of Battery Packs</b> |
| <b>Factory Default</b>  | UPS with 1 external battery pack  | 1                         |
| <b>SRC192XLBP<br/>5000 VA/6000 VA</b>   | UPS with 1 external battery pack  | 1                         |
|   | UPS with 2 external battery packs | 2                         |
|   | UPS with 3 external battery packs | 3                         |
| <b>SRC240XLBP1<br/>8000 VA</b>  | UPS with 1 external battery pack  | 1                         |
|   | UPS with 1 external battery pack  | 1                         |
|   | UPS with 2 external battery packs | 2                         |
|   | UPS with 3 external battery packs | 3                         |
| <b>SRC240XLBP2<br/>10000 VA</b>   | UPS with 1 external battery pack  | 1                         |
|   | UPS with 1 external battery pack  | 1                         |
|   | UPS with 2 external battery packs | 2                         |
|   | UPS with 3 external battery packs | 3                         |

# Maintenance, Transport and Service

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## Battery Replacement

The external battery packs do not have user replaceable battery modules. Contact APC at [www.apc.com](http://www.apc.com) to order replacement external battery packs.



**Once the battery packs have been disconnected the connected equipment is not protected from power outages.**

When the battery packs have been replaced the LED on the display interface will prompt the user to enter a new battery replacement date.



Return spent batteries to an appropriate facility for proper disposal and recycling.

## Prepare the UPS for Transport

1. Disconnect the UPS from all external battery packs.
2. Shut down and disconnect all equipment connected to the UPS.
3. Shut down and disconnect the UPS from utility power.
4. Follow shipping instructions outlined in “Service” on page 9 in this manual.

## Service

If the UPS requires service do not return it to the dealer. Follow these steps:

1. Review the problems discussed in the Troubleshooting section of the UPS manual to eliminate common problems.
2. If the problem persists, contact APC Customer Support through the APC Web site, [www.apc.com](http://www.apc.com).
  - a. Note the model number of the UPS, the serial number located on the rear side of the unit, and the date purchased. If you call APC Customer Support, a technician will ask you to describe the problem and attempt to solve it over the phone. If this is not possible, the technician will issue a Returned Material Authorization Number (RMA#).
  - b. If the UPS is under warranty, repairs are free.
  - c. Procedures for servicing or returning products may vary internationally. Refer to the APC Web site for country specific instructions.
3. Pack the UPS in its original packaging. If this is not available, refer to [www.apc.com](http://www.apc.com) for information about obtaining a new set.
  - a. Pack the UPS properly to avoid damage in transit. Never use Styrofoam beads for packaging. Damage sustained in transit is not covered under warranty.
  - b. **Always DISCONNECT THE UPS BATTERY before shipping in compliance with U.S. Department of Transportation (DOT) and IATA regulations.** Mark the RMA# on the outside of the package.
4. Return the UPS by insured, prepaid carrier to the address given to you by Customer Support.

# Contact Information

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## 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 Web site 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**  
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** 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.

# One-Year Factory Warranty

The limited warranty provided by American Power Conversion (APC®) in this statement of Limited Factory Warranty applies only to products you purchase for your commercial or industrial use in the ordinary course of your business.

## Terms of warranty

APC warrants its products to be free from defects in materials and workmanship for a period of one year from the date of purchase. The obligation of APC under this warranty is limited to repairing or replacing, at its sole discretion, any such defective products. 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. Repair or replacement of a defective product or part thereof does not extend the original warranty period. Any parts furnished under this warranty may be new or factory-remanufactured.

## Non-transferable warranty

This warranty extends only to the original purchaser who must have properly registered the product. The product may be registered at the APC Web site, [www.apc.com](http://www.apc.com).

## Exclusions

APC shall not be liable under the warranty if its testing and examination disclose that the alleged defect in the product does not exist or was caused by end user or any third person misuse, negligence, improper installation or testing. Further, APC shall not be liable under the warranty for unauthorized attempts to repair or modify wrong or inadequate electrical voltage or connection, inappropriate on-site operation conditions, corrosive atmosphere, repair, installation, start-up by non-APC designated personnel, a change in location or operating use, exposure to the elements, Acts of God, fire, theft, or installation contrary to APC recommendations or specifications or in any event if the APC serial number has been altered, defaced, or removed, or any other cause beyond the range of the intended use.

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NO SALESMAN, EMPLOYEE OR AGENT OF APC IS AUTHORIZED TO ADD TO OR VARY THE TERMS OF THIS WARRANTY. WARRANTY TERMS MAY BE MODIFIED, IF AT ALL, ONLY IN WRITING SIGNED BY AN APC OFFICER AND LEGAL DEPARTMENT.

## Warranty claims

Customers with warranty claims issues may access the APC customer support network through the Support page of the APC Web site, [www.apc.com/support](http://www.apc.com/support). Select your country from the country selection pull-down menu. Open the Support tab at the top of the Web page to obtain contact information for customer support in your region.



