



APC SURT 3K/5K/6K SERIES AND EXTERNAL BATTERY PACK CONNECTION MANUAL

This manual describes the detailed procedure on how to connect 'APC Smart-UPS RT 192V Battery Pack'(SURT192XLBP) to APC SURT 3000/5000/6000 series UPS

TOOLS YOU'LL NEED

- A. Phillips screw driver
- B. Multimeter

PROCEDURES – 2 OPTIONS

1. COMPLETE SHUT DOWN WITH UNIT OFF AND UNPLUGGED

OR

2. BATTERIES HOT SWAPPABLE WITH UNIT PLUGGED IN AND ON

Complete Shut Down With Unit Off and Unplugged

Push **O** button on the front display bezel and all the lights will turn off. Disconnect the power cord from the wall outlet and push the **O** button again and the fan will now turn off.

Follow steps B-K1 for completion.

Batteries Hot Swappable With Unit Plugged In and On

Follow steps A-J and K2.

PROCEDURES A-K

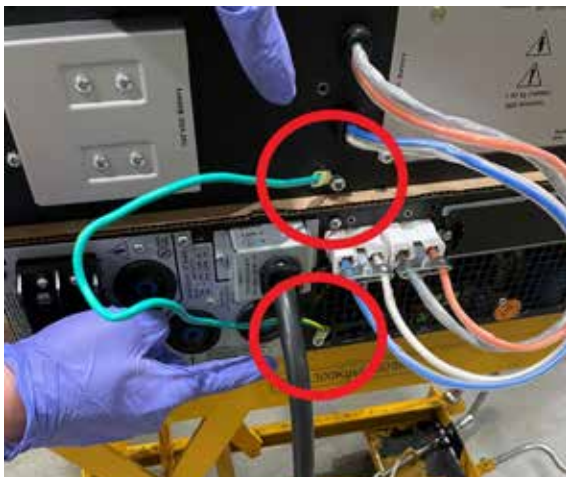
A. SURT units' batteries are hot-swappable. Simply place UPS into bypass mode using the bypass switch (slide switch on the back of unit, close to serial port). Continue with the rest of the procedure as shown in this manual.

The following picture shows the bypass switch.



PLEASE NOTE: While in bypass there is a slight risk of the load dropping due to a power failure or an unforeseen internal failure of the UPS.

B. Make sure ground wire is connected correctly between UPS and external battery pack. This is usually done when installing rack-mount unit and external battery packs into cabinet. Please refer to the following picture for a correct ground wire connection. Please note that only SURT units with external battery packs needs to make this connection.



C. Remove 2 Phillips screws out of the battery door on the UPS unit and locate the battery plug inside UPS battery hatch.



PLEASE NOTE: The following picture demonstrates a wrong way of handling the battery pack. Do NOT move or install battery packs by grabbing the connector or wires.



Always grab the metal handle on the battery pack and use both hands to lift, move or install battery packs.



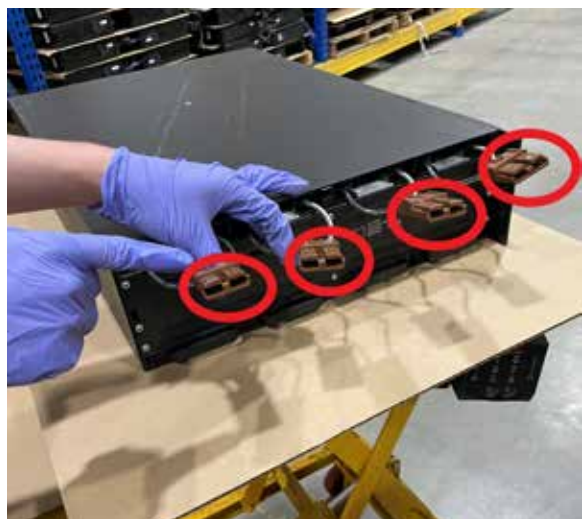
D. Install the internal battery packs.



E. Connect the batteries



F. Install batteries into external battery pack chassis, battery handling is the same as we handle internal batteries



G. Connect Batteries



H. Locate the external battery pack connector on the back of UPS by removing the cover.



J. Connect external battery pack to UPS using the plugs on the chassis. Please note the connector with blue and white wires goes into the socket near the power cord, and the connector with black and red wires goes into the socket near the network card. Please refer to the following 2 pictures.



K1. All the connections are now completed. Plug UPS power cord into the wall outlet and the fan should power on. Now press the O button on the front display bezel and the Online LED will begin to blink. Once the blinking stops the UPS is now operating properly.

K2. All the connections are now completed. Please make sure the bypass switch is set to the 'On-line position'. The Bypass LED will turn off and the Online LED will remain on indicating the UPS is now operating properly.