

Installation Manual APC

APC UPS-units have been designed for a safe battery swap by the user. The replacing can be done while operating and while devices are connected.

1. Prior to installation

Follow the visual instructions on the user manual provided with your UPS.

A screwdriver is needed for the installation.

Note the following security guidelines before installing the batteries:

- While the battery is not connected to the UPS, your devices are not protected by the UPS.
- Remove any metal parts of jewellery and alike, such as wrist watches or bracelets when handling the UPS.
- Use tools with insulated handles.
- Wear eye protection.
- Risk of electric shock: Even after separation from the power grid, the UPS unit can be electrically fed by the battery or by other sources.
- Do not short-circuit the poles of the battery using tools or other metallic parts.
- When connecting the battery plugs, small sparks may be produced at the contacts.
- Do not open or damage the battery case. Leaking electrolyte is harmful to eyes and skin.
- Note the correct polarity.

Battery-direct does not carry any responsibility concerning damage created by improper use or installation.

2. After installation

Once installed, it takes approximately five hours to charge a replacement battery, despite the fact that they are nearly fully charged already. An XL-Model can take up to 24 hours to be fully charged.

APC Types of the series Smart-UPS are charged independently of the power status of the UPS and connection of a load one connected to the power grid.

3. Switching off the red LED „Battery needs replacing“

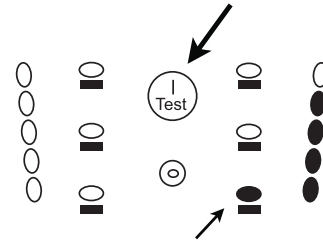
To turn off the red light diode (see image 1, small arrow) after a successful charge, it is necessary to go through a selftest. In order for the selftest to pass, the battery capacity needs to be above 75%. This means that at minimum 4 green LED-bars have to light up. (see image 1).

Conducting a selftest

For conducting a selftest, you have the following options:

- Press and hold the test button for 2 seconds (see image 1, large arrow).

- Switching on the UPS unit (in this case the test is activated automatically).
- Activating the “selftest-function” in the Powerchute software.



img. 1

4. Runtimecalibration

Only necessary when:

- a computer is connected to the UPS using a data- or usb-cable and the Powerchute software is installed.
- the UPS is equipped with a Web/SNMP Management Card.

When charging and discharging the Smart-UPS the micro-processor of the UPS is resetted to be able to measure the battery voltage reliably.

This process can be started using the option „runtime calibration“ in the powerchute software. Only use this option when the battery capacity has reached 100%.

5. Disposal

The battery containing lead and acid is not allowed to be disposed in the regular garbage bin.

Old batteries have to be disposed of with respect to the applying law in the specific countries.

Concerning disposal, you have the following options:

- If you have included a return receipt in your order, you can use this receipt for sending back the batteries for recycling.
- Hand in the battery at your local recycling point for old batteries or hazardous waste.
- Send in the battery on your cost to the following address:

battery-direct GmbH & Co. KG
Ewald-Renz-Str. 1
76669 Bad Schönborn
Germany

If you encounter any problems try our Servicehotline at: +49 72 53/93 29 00.

