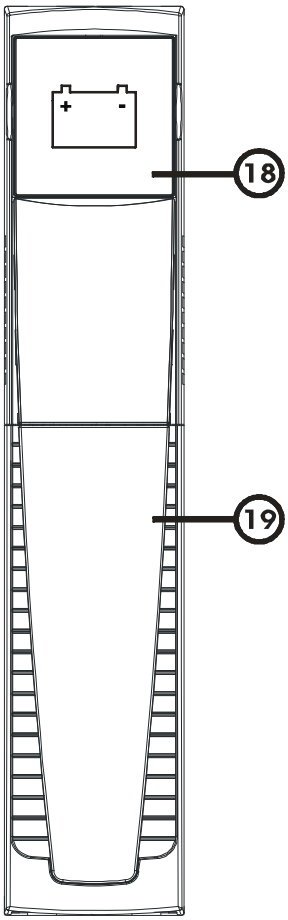
BATTERY BOX (ACCESSORY NOT SUPPLIED WITH THE UPS)

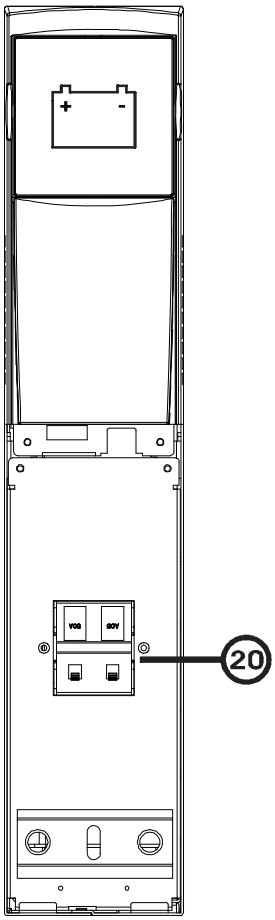
The BATTERY BOX is an optional accessory for this range of UPS (same dimensions and aesthetic appearance).
The BATTERY BOX contains batteries which allow the operating time of the uninterruptible power supplies to be increased during extended blackouts. The number of batteries contained can vary according to the type of UPS for which the BATTERY BOX is intended. It is therefore necessary to take great care to ensure that the battery voltage of the BATTERY BOX is the same as the voltage permitted by the UPS.
Several battery boxes can be connected in series to achieve a longer extended runtime.

If the UPS is connected to a battery box, the maximum active power is derated from PF 0.9 to PF 0.8.

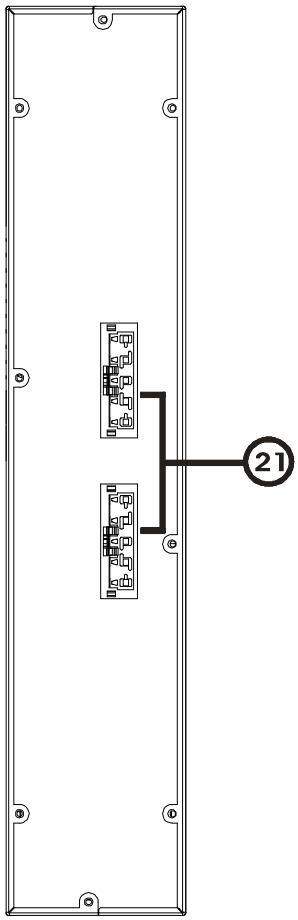
REAR VIEW



Front view



Front view (without panel)



Rear view

18 Extractable/ rotatable battery box plate

19 Removable front panel

20 Battery isolator

21 Battery expansion connector

INSTALLATION ENVIRONMENT

The UPS and the Battery Box must be installed in ventilated, clean environments which are sheltered from bad weather.
The relative humidity in the environment must not exceed the maximum values shown in the Technical Data table.
The ambient temperature, whilst the UPS is in operation, must remain between 0 and 40°C, and the UPS must not be positioned in places which are exposed to direct sunlight or to hot air.

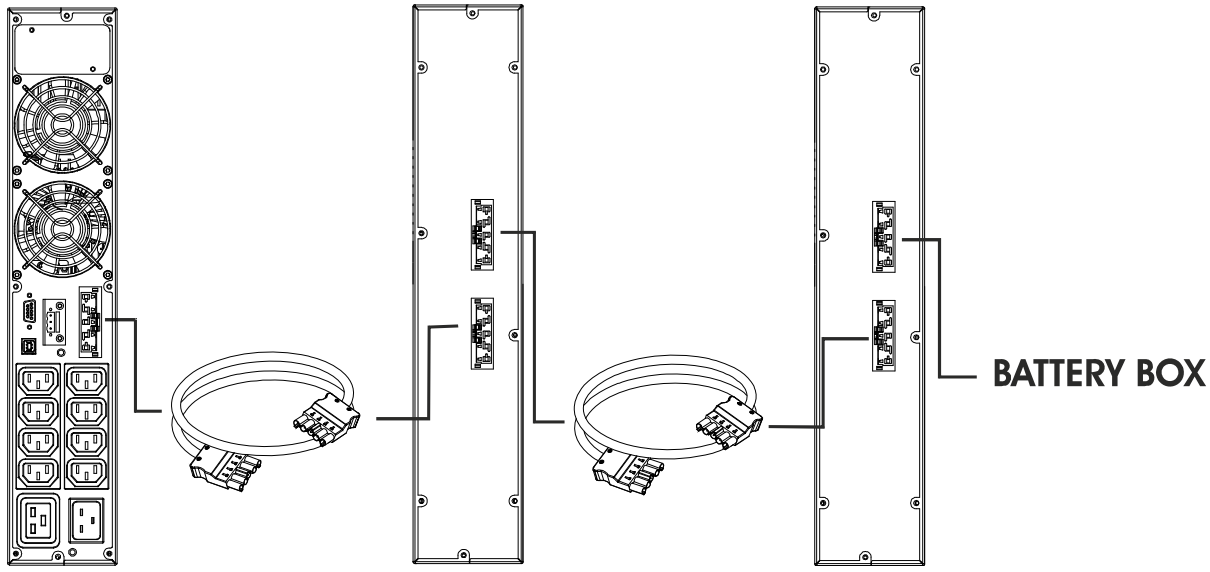
The recommended operating temperature for the UPS and the batteries is between 20 and 25°C. The actual operating life of the batteries is 5 years on average with an operating temperature of 20°C. If the operating temperature reaches 30°C, the operating life is halved.

This is a category C2 UPS product. In a residential environment, this product may cause radio interference, in which case the user may be required to take additional measures.

BATTERY BOX INSTALLATION

ATTENTION:
CHECK ON THE DATA PLATE THAT THE VOLTAGE OF THE BATTERY BOX IS THE SAME AS THAT ALLOWED BY THE UPS.

Battery boxes can be installed in series for extended runtimes. Connect the Battery Boxes in series as shown in the figure below:
If the UPS is connected to a battery box, the maximum active power is derated from PF 0.9 to PF 0.8.



SETTING THE NOMINAL BATTERY CAPACITY

Before installing one or more Battery Boxes, the UPS must be configured in order to update the nominal capacity value (total Ah UPS's internal batteries + external batteries) using the dedicated configuration software **UPStools** contained on the CD-ROM supplied with the UPS.
The battery box must only be installed while the UPS is switched off and disconnected from the mains power supply.

CAUTION:
The connection cables cannot be extended by the user.
After connecting the UPS to its Battery Boxes, insert the fuses and turn the Battery Box battery isolators (SWBATT) to the ON position.
It is not possible to connect more than one UPS to a single battery box, or to several Battery Boxes connected in a series.

To check the availability of a new version of the latest software, visit the website **www.riello-ups.com**.