

## Installation instruction of the Battery Breaker

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# Installation instruction of the Battery Breaker

Part number of the battery breaker kit 1014196.

The battery breaker is installed to 20-30 kVA UPS, when the external battery cabinet is connected to the UPS.

Before you install this breaker please read the instructions of the User' and Installation Manual which are for the external battery cabinets installation.

**The installation of the external battery cabinet must be done by qualified personnel only.**

Install the breaker as follows.

1. Switch off the supply to the distribution point to which the UPS unit is to be connected. Make absolute sure that there is no power.
2. The battery breaker shall be installed inside the UPS to the right side of the input/output terminals. See the figure 6 of the User's and installation manual.
3. Check that the fuses of the external battery cabinet(s) are removed.

Install the cables of the external battery cabinets to the circuit breaker and PE connector. Cut the lugs from the + and - cables before they are connected to the breaker.

- Connect the earth cable to the PE terminal
  - Connect the battery plus cable to the left pole of the F4 breaker.
  - Connect the battery N- cable to one of the mid poles of the breaker.  
Check that the copper rail between the two mid poles of the breaker is properly connected.
  - Connect the battery minus cable to the right pole of the breaker.
4. The circuit breaker includes four-pole plug, which shall be connected to the battery plug X8-X9 of the UPS.



**WARNING!**

**This battery plug is connected directly to the UPS internal batteries and contain high DC voltage.**

5. Install the battery breaker to the unit and check that it is in OFF position.
6. Remove carefully the protection tube, which protects the UPS battery plug X8-X9. Note the voltage in these terminals.
7. Connect the plug of the breaker to the battery plug of the UPS.  
See the figure 1.

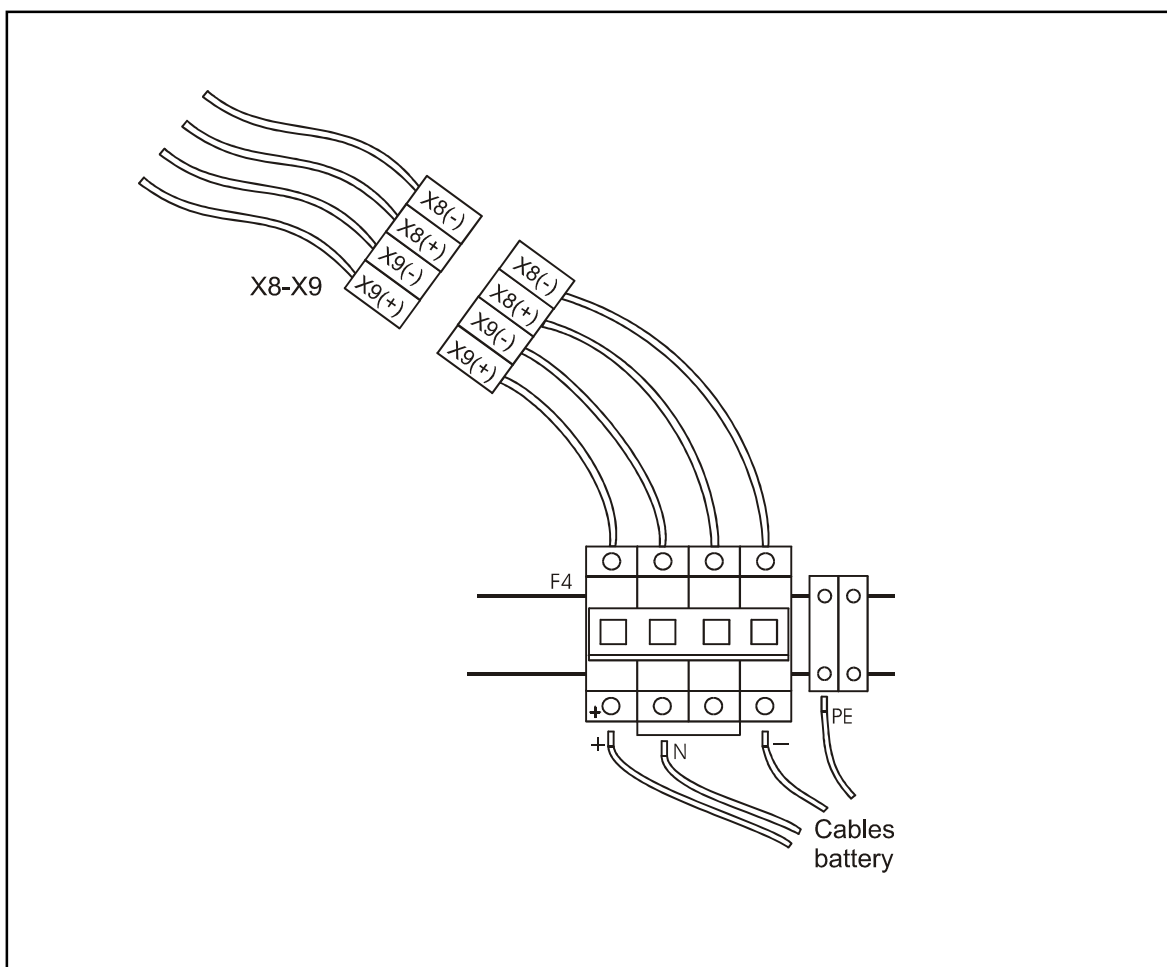


Figure 1.