

Kohler PW 8000DPA RI (S2)

Up to 80 kVA/kW

Technical Specification

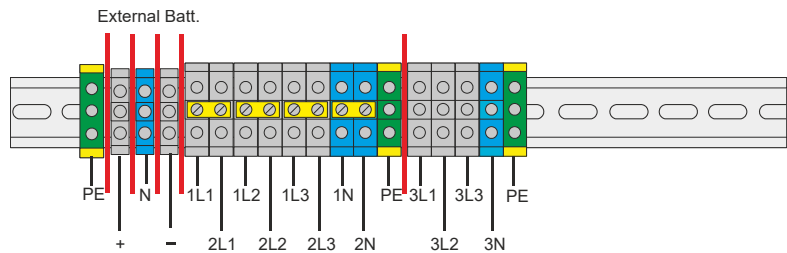


KOHLER POWER
uninterruptible

Terminal block connections

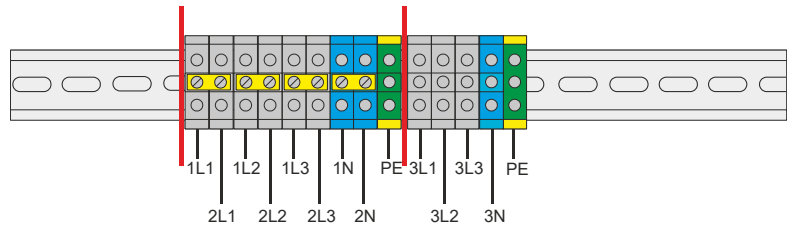
RI-10 connections

The RI-10 model requires an external battery connected to the battery terminals on the left hand side of the terminal block.



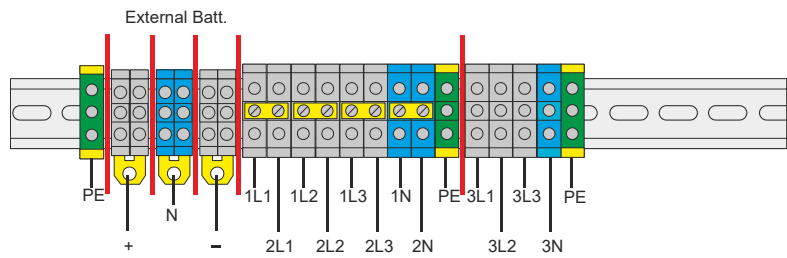
RI-11 & RI-12 connections

The RI-11 and RI-12 models have internal batteries so no battery terminal block is provided.



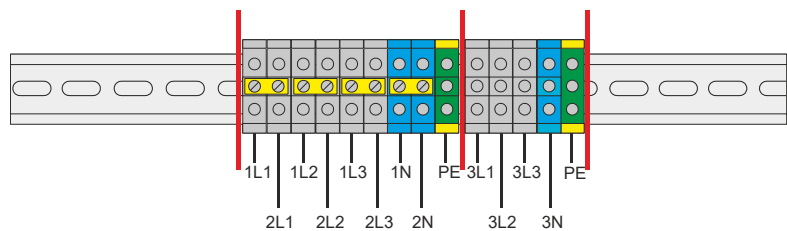
RI-20 connections

The RI-20 model requires an external battery connected to the battery terminals on the left hand side of the terminal block. As two battery strings can be connected to this model, 'common battery links' are provided (as shown). These must be removed for separate battery installation.



RI-22 & RI-24 connections

The RI-22 and RI-24 models have internal batteries so no battery terminal block is provided.



RI-40 connections

The RI-40 model requires an external battery connected to the battery terminals on the left hand side of the terminal block. As four battery strings can be connected to this model, 'common battery links' are provided (as shown). These must be removed for separate battery installation.

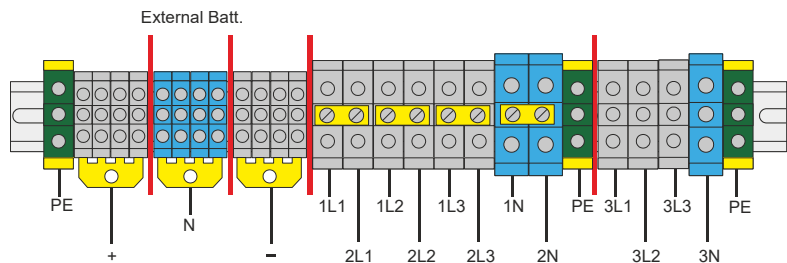


Figure 0.1 Terminal block connections

EXTERNAL MAINTENANCE BYPASS

Operationally, an external maintenance bypass facility is not essential. The internal maintenance bypass switch (IA1) is fully rated and can be used to connect the UPS output directly to the bypass mains supply if the UPS modules are unavailable. However, when the load is powered via IA1 the UPS frame bypass mains terminals must be permanently live in order to power the load. This means that it is not possible to fully isolate the mains supplies from the UPS frame while the internal maintenance bypass is in use.

This situation can be overcome by the addition of an optional external maintenance bypass facility which can supply the load through an external 'bypass' switch while allowing the UPS input and output supplies to be totally isolated.

An external maintenance bypass facility is bespoke but generally comprises three isolators rated to carry the full system load and connected in a similar fashion to that shown here.

Note: A fourth isolator may be included if the UPS is configured for a dual input supply.

Depending on size and location, the isolators may be installed in a dedicated maintenance bypass cabinet or included in an existing (or dedicated) switch panel.

Kohler Uninterruptible Power can provide a range of external maintenance bypass solutions to suit all of its UPS systems.

