External Maintenance Bypass Quick Guide

Important Safety Warning

(SAVE THESE INSTRUCTIONS)

WARNING

To safely operate this unit, please read and follow all instructions carefully.
Read this manual thoroughly before attempting to unpack, install, or operate.
You may keep this quick guide for further reference.

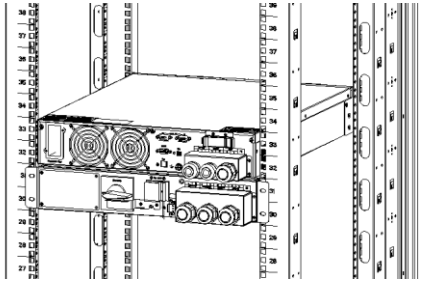
CAUTION: The product must be used indoor only.
CAUTION: Do not place the unit near liquid or in an excessively damp environment.
CAUTION: Do not place the product directly in the sun or near a hot source.
CAUTION: Do not let liquid or foreign objects enter the product.
CAUTION: Please make sure the equipment is grounded.
CAUTION: When installing the product, ensure that the sum of the leakage currents of the product and the devices it supplies not exceed 3.5mA.

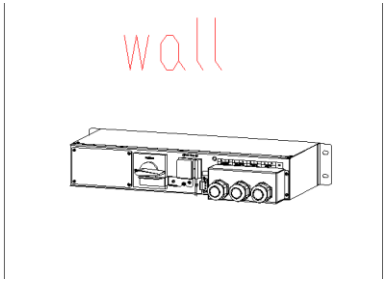
1. Introduction

The product is used as an external power distribution unit for UPS systems or large-scale voltage regulators. It's used to replace UPS without interruption. It can be rack mounted in a 19" service rack cabinet.

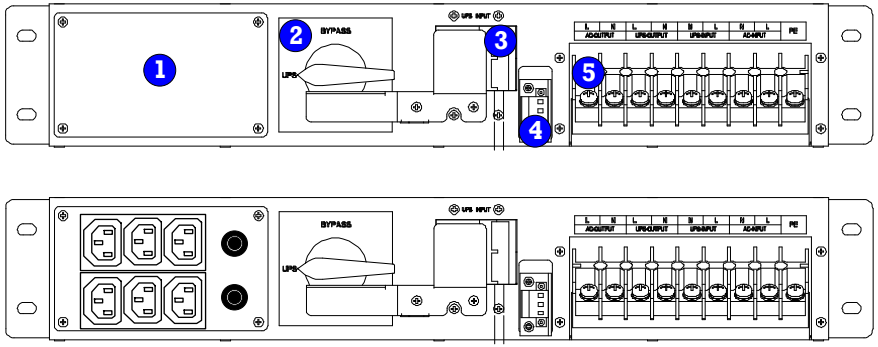
1.1 Rack Mount/Wall installation

The module can be installed in a 19" service rack cabinet or on wall, shown as below:





2. Product Overview



❶Reserved for sockets (None or 6* IEC) ❷Maintenance Bypass Switch (MBS)
❸UPS input breaker ❹Status of maintenance bypass switch
❺Terminal ❻Metal plate

3. Installation and Operation

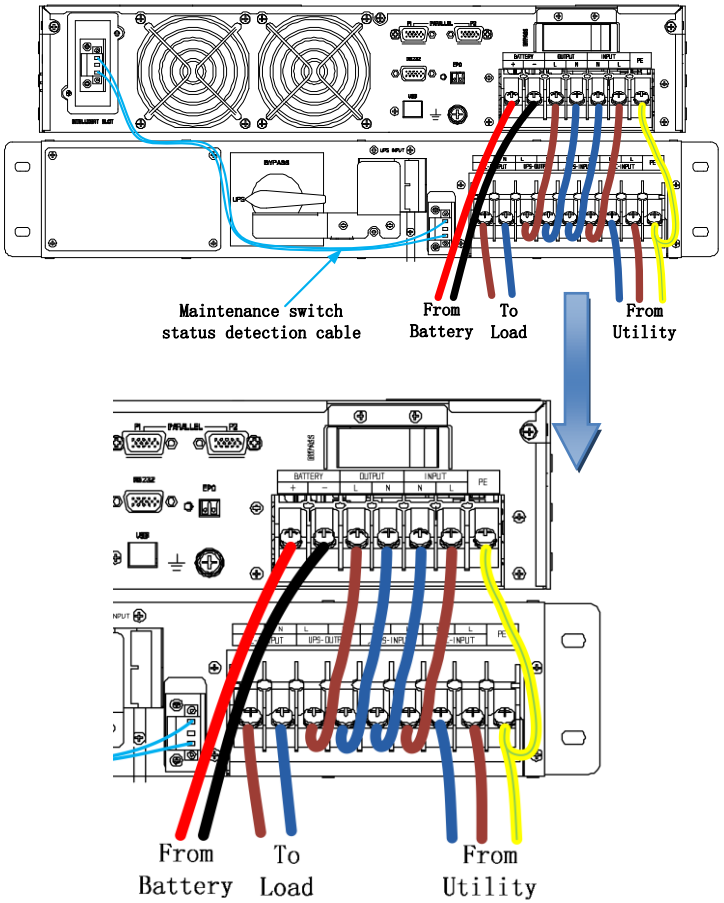
3.1 Inspection

The shipping package contains:

- Maintenance bypass module x 1
- Quick guide x 1
- Screws and mounting ears

3.2 Connect with UPS

The cables connection with UPS is shown as below:



Connect power cables as above figure, and connect status signal cable between UPS and maintenance bypass if needed.

4. Operation

'UPS'——load on UPS

'BYPASS'——load on maintenance bypass

4.1 How to transfer to Maintenance Bypass

1) Press the ON/OFF button on the front panel of the UPS, UPS will transfer to bypass mode;
2) Remove metal plate ❻, rotate MBS to "BYPASS" position;
3) Open input breaker ❸;
4) Disconnect the battery, remove the cables on UPS.

4.2 How to Transfer to UPS inverter mode

After maintenance service is done, make sure the UPS is normal. Then, restart UPS:

4.2.1 If the maintenance switch status detection cable is connected, operate as following:

1) Close the input breaker❸, close the bypass input breaker on UPS, UPS starts on and works at bypass mode;
2) Rotate MPS ❷ to "UPS", load on static bypass;
3) assemble metal plate ❻back;
4) UPS transfer to inverter automatically.

4.2.2 If the maintenance switch status detection cable is not connected, operate as following:

1) Close the input breaker❸ , wait for about 2 minutes, UPS works at inverter mode;
2) Press the "ON/OFF" button on the front panel, UPS transfer to bypass mode;
3) Rotate MPS❷ to "UPS", load on static bypass;
4) Press the ON/OFF button on the front panel of the UPS, UPS transfer to inverter mode. Close battery breaker;
5) Assemble metal plate ❻back

NOTICE: Before operating of the maintenance bypass switch, please make sure that UPS is at static bypass mode to protect the load from interruption.