The Maintenance Bypass Box must be well grounded due to a possible risk of current leakage. Properly route power cords so they cannot be walked on or damaged. Select a location where provides good air circulation for the unit at all times. Do not operate the unit in an extremely dusty/un-clean area or a location near heating devices, water and excessive humidity. Do not expose the unit to direct sunlight. The Maintenance Bypass Box must be well grounded due to a possible risk of current leakage. The Maintenance Bypass Box must operate in conjunction with Delta R series UPS. Please refer to the following table.

The installation is almost the same. Please refer to PDB1211A231035 for example. Fix the MBB Ear (1) at the right side of the external battery pack with two M4 screws (1) and at the right side of the MBB with one #6-32 screws (1). Please refer to Figure 4.

The installation is almost the same. Please refer to PDB1211A231035 for example. Fix the MBB Ear (1) on the top cover of the UPS and at the left side of the MBB with four M4 screws (1). Please refer to Figure 1.

Fix the UPS Output Cover (2) at the back of the UPS with two #6-32 screws (2). Please See Figure 2.

Only qualified service personnel can perform installation and maintenance of the Maintenance Bypass Box. The Maintenance Bypass Box may result in severe damage to your UPS or load equipment. Please install the Maintenance Bypass Box in an indoor temperature controlled environment that is free of conductive contaminants. Do not operate the unit in an extremely dusty/un-clean area or a location near heating devices, water and excessive humidity. Do not expose the unit to direct sunlight. Select a location where provides good air circulation for the unit at all times.

Before installation of the Maintenance Bypass Box, please completely turn off the UPS and cut off the input power and battery power (if applicable). The installation is almost the same. Please refer to PDB1211A231035 for example. Use four M4 screws (1) to lock the MBB Ear (1) at the rear of the external battery pack and at the left side of the MBB (please see Figure 3).
The installation is almost the same. Please refer to Figure 5 and Figure 6.

Fix the four M5 cage nuts (8) at the two sides of the rack. Please note that the MBB should be installed at the rear of the UPS (please see Figure 7 and Figure 8).

Use the four M4 screws (4) to fix the two MBB Ear (9) at the left and right sides of the MBB (please see Figure 5 and Figure 6).

How to Install the Maintenance Bypass Box on the Tower Stands

Follow the How to Install the Maintenance Bypass Box on the External Battery Pack to fix the MBB on the external battery pack, stack the UPS on the external battery pack, stand them upright and place them into the tower stands that has been adjusted to 4U width (please see Figure 7).

Start-up Operation

All the equipment and the UPS system must be properly connected and there must be acceptable AC voltage present. Please refer to the UPS's Installation & Operation Quick Guide and the External Battery Pack's Installation & Operation Quick Guide for more information.

NOTE:
- The cover plate of the Maintenance Bypass Box's MANUAL BYPASS SWITCH must still be installed.
- Verify the AC power cord meets with N, L & G of the wall socket.
- Plug the AC power cord into the wall socket.
- Press and hold the ON button of the UPS for 3 seconds and release it after you hear one beep.
- The UPS starts self-inspection. When the graph appears on the display, the UPS turns in on-line mode.

Wiring

WARNING:
1. Follow Important Safety Instructions.
2. When connecting the Maintenance Bypass Box to the mains and the loads, you must install protective devices. The protective devices must be approved components that meet safety certifications.
3. Ensure that all of the breakers/switches are in the OFF position before wiring.
4. Please refer to the following figures for the wiring connection with the UPS.

NOTE:
- The UPS starts self-inspection. When the graph appears on the display, the UPS turns in on-line mode.
- The UPS system is ready for normal operation. Please refer to the UPS's user manual for more information.

NOTE:
If you encounter any problems that you cannot solve, please ask your local dealer or customer service for more information. Do not attempt to solve the problems if you are not trained for it.

Technical Specifications

- Model No.
  - PDB1211A230035
  - PDB1211A231035

- Input
  - Frequency: 50/60Hz
  - Current (Max.): 10A, 15A
  - Connection: IEC C14, IEC C20

- Output
  - Frequency: 50/60Hz
  - Power (Max.): 3000VA & 2700W for 200/230/240Vac
  - 3300VA & 2700W for 220/230/240Vac

- Environment
  - Operating Altitude: 1000 meters (without ceiling)
  - Operating Temperature: 0 ~ 40°C (32 ~ 104°F)
  - Storage Temperature: -25 ~ 60°C (-13 ~ 140°F)

- Physical
  - Dimensions: 270 x 75 x 88mm
  - Weight: 1.1 Kg, 1.2 Kg

Warranty

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in material and workmanship within the warranty period. If the product has any failure problem within the warranty period. Seller will repair or replace the product at its sole discretion according to the failure situation.

The warranty does not apply to normal wear or to damage resulting from improper installation, operation, usage, maintenance or irresistible force (i.e. war, fire, natural disaster, etc.), and this warranty also expressly excludes all incidental and consequential damages. Maintenance service for a fee is provided for any damage out of the warranty period. If any maintenance is required, please directly contact the supplier or Seller.

WARNING:
The ultimate user should take care to determine prior to use whether the environment and the load characteristics are suitable, adequate or safe for the installation and the usage of this product. The Quick Guide must be carefully followed. Seller makes no representation or warranty as to the suitability or fitness of this product for any specific application.

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No. 30132024/0000
Version: V.00
Release Date: 2017_12_21