1. Introduction
The module is an external maintenance bypass switch to provide continuous power to the connected loads during UPS scheduled maintenance or battery replacement. It is design for 6KVA/10KVA UPS.

Wall-mounting the Unit
The module can be wall-mounted to the wall. Please follow below chart for installation.

Unit weight: 14.3lbs (6.5kg)

2. Product Overview

3. Installation and Operation

Inspection
Unpack the package and check the package contents. The shipping package contains:
- Maintenance bypass switch module x 1
- Quick guide x 1
- Control signal cable x 1

NOTE: Before installation, please inspect the unit. Be sure that nothing inside the package is damaged during transportation. Do not turn on the unit and notify the carrier and dealer immediately if there is any damage or lacking of some parts. Please keep the original package in a safe place for future use.

Initial Setup
Installation and wiring must be set in accordance with the national and local codes.
1. Ensure the input feed wire and breakers are rated for the current capacity of the UPS to avoid the hazards of electric shock or fire
2. Disconnect Utility feed to the module and verify that the UPS is completely turned off.
3. Remove the terminal block cover.
4. See UPS manual for proper cable sizing required.
Connect UPS and External Maintenance Bypass Switch Module

1. Connect Utility Input to Utility Input Terminals
2. Connect UPS input terminals of switch module to input terminals of UPS.
3. Connect output terminals of UPS to UPS output terminals of switch module.
4. Connect output terminals of switch module to load.
5. Connect signal slots of UPS and switch module with control signal cable attached to the package.

Refer to below chart for wiring connection:

NOTE: Make sure that the wires are connected tightly with the terminals. Put the terminal block cover back to the rear panel.

4. Operation

Transfer to Maintenance Bypass
To transfer to maintenance bypass from UPS, follow the below steps:

Step 1: Press “OFF” button of UPS unit to transfer to bypass mode.

Step 2: Open the maintenance switch cover. If step 1 is not executed first, then UPS unit will transfer to bypass mode automatically with control output signal connection when opening the maintenance switch cover.

Step 3: Transfer rotary switch to “BPS” position and switch off UPS input breaker on the module. Then, all devices are directly powered by utility and the output and input of UPS are isolated from the system.

Transfer to UPS Protection
After maintenance service is done, follow below steps to transfer back to UPS operation.

Step 1: Switch on the input breaker of the module and reconnect UPS battery input breaker. Then UPS will enter to bypass mode.

Step 2: Transfer rotary switch to “UPS” position. Then, all devices are powered by utility through UPS bypass mode.

Step 3: Close back maintenance switch cover and press “ON” button of UPS unit. Then, all devices are protected by the UPS.

NOTE: If maintenance will be executed in another place, before removing the UPS and the module, please follow steps of “Transfer to Maintenance Bypass” and then disconnect all wires between UPS and the module for complete isolation.

5. Specification of Critical Components

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input breaker</td>
<td>63 A</td>
</tr>
<tr>
<td>Voltage</td>
<td>250 V</td>
</tr>
<tr>
<td>Bypass switch</td>
<td>63 A</td>
</tr>
<tr>
<td>Current</td>
<td>690 V</td>
</tr>
<tr>
<td>Voltage</td>
<td>60 A</td>
</tr>
<tr>
<td>Input/Output terminal</td>
<td>600 V</td>
</tr>
</tbody>
</table>