**Power Distribution Units (PDUs)**

Before beginning this step, see the Smart-UPS 5000VA SU Rack Mount XL UPS User’s Manual for safety and detailed installation instructions.

In the Base Enclosure, install the UPS PDU Circuit Breakers to the ON position.

**Install the Rack-Mount Power Distribution Units (PDUs)**

Before beginning this step, see the Power Distribution Unit (PDU) User’s Manual for safety and installation instructions.

Install the rack-mount PDU's vertically in the left or right rear channel of each applicable enclosure.

- Each Enclosure contains receptacles to support up to two 220–240 V rack-mount PDUs.
- Two 220–240 V rack-mount PDUs are required, totaling up to ten 220–340 V rack-mount PDUs.

A complete 8-way-chained 220–240 V circuit has a 15 A current availability.

- MasterSwitch VM PDUs may be substituted if remotely controllable outlets are required.

**Connect the Rack-Mount Power Distribution Units (PDUs)**

Route the power cord for each rack-mount PDU using the hook provided on either side of the bottom of an enclosure. Ensure the excess cord is properly connected.

Plug each power cord into an outlet receptacle (IEC320 C19) on the UPS PDU Circuit Breakers (4) for a neater appearance.

**Install Optional Equipment in the Enclosures**

Your system is now ready for you to install optional equipment. See the documentation you received with the optional equipment and accessories for their installation and setup.

A. Install any optional equipment and accessories. Visit APC’s website at www.apc.com for available PowerStruXure Type A accessories.

B. If you plan to manage your system using the pre-installed Web/SNMP Management Card, connect the network cable now.

**Energize UPS Batteries**

The UPS is shipped with the batteries pre-installed. Depending on your system configuration, energize the batteries as outlined below. Batteries can be permanently damaged if installed in a system that is not being used. Store battery modules at an ambient temperature below 25 °C (77 °F).

A. If your system configuration includes an External Battery Pack, plug it into the UPS battery disconnect receptacle.

**Troubleshooting Procedures**

For troubleshooting procedures, see the accompanying APC product documentation. If your system-wide problem persists, call APC technical support at 1-877-537-0607. For individual component support, visit APC’s website at www.apc.com/support.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO power in ALL enclosures.</td>
<td>The UPS is not turned ON.</td>
<td>Perform all of the startup procedures in the UPS user’s manual.</td>
</tr>
<tr>
<td>NO power in selected enclosure.</td>
<td>A UPS PDU circuit breaker is OFF.</td>
<td>Ensure that Step 4 is properly completed.</td>
</tr>
<tr>
<td>NO power in individual rack-mount PDU or one enclosure.</td>
<td>The rack-mount PDU is not plugged into the outlet receptacle.</td>
<td>Ensure that Step 4 is properly completed.</td>
</tr>
<tr>
<td>Problem with an Extended Run Cabinet.</td>
<td>The Extended Run Cabinet is not properly connected.</td>
<td>See the “Operating the Smart-UPS with a Battery Pack” section in External Battery Pack User’s Manual.</td>
</tr>
<tr>
<td>A circuit breaker trips repeatedly.</td>
<td>The circuit breaker is overloaded.</td>
<td>Redistribute the load, then ensure that the circuit breaker is turned ON.</td>
</tr>
<tr>
<td>PowerView Display not ON.</td>
<td>The PowerView Display unit is not connected to the UPS.</td>
<td>Ensure that display cables are properly connected.</td>
</tr>
<tr>
<td>Fault LEDs or error messages.</td>
<td>There is a potential system fault or tripped alarm.</td>
<td>See the “Operating” and “User Configurable Items” sections of the UPS user’s manual.</td>
</tr>
</tbody>
</table>

*Note:* The installation and setup of the PowerView Display unit is not being used. Store battery module(s) at an ambient temperature below 25 ºC (77 ºF).

Batteries can be permanently damaged if installed in a system that is not being used.

- Store battery module(s) at an ambient temperature below 25 ºC (77 ºF).
- Ensure that all circuit breakers are in the ON position. See Step 6.

Ensure that Step 4 is properly completed.

Ensure that Step 6 is properly completed.

Ensure that Step 8 is properly completed.