



954-366-3070 or Emergencies Call & Text 561-523-1925

Symmetra PX StartUP with Bypass Cabinet

Start with a frame empty of power modules, batteries, or intelligent modules.

ALL OFF

Set Source Utility Power Disconnect/Circuit breaker is Off

Set the UPS DC Disconnect circuit breaker, XR cabinet DC breaker and System Enable switch to OFF.

Set the Main Input Switch on the PDU to Off

Set Q1, Q2, Q3 breakers to Off

INSTALL MINIMUMS

Push in both Intelligent Modules and screw in the mounting bracket to secure them.

Push in one battery module (four battery units) in the Symmetra PX UPS. Note: The DC bus in the Symmetra PX UPS is energized when battery modules are installed, even when the DC Disconnect circuit breaker is open.

Install one power module in the Symmetra PX UPS. Secure the power module: a. Tighten the screws on each side of the power module. b. Turn the locking latch clockwise until the arrow on the knob faces the power module.

CONFIRM ELECTRICAL

Review clockwise Phase Rotation at input source

Take picture of back of PX wiring areas, include XR cabinets, UPS and PDUs.

Confirm input voltage matches the needs of the UPS. Trust the name plate, Confirm with onsite electrician.

Turn ON Source Utility Power Disconnect/Circuit breaker

ENERGIZE SYSTEM

Set the Main Input switch on the PDU to ON

Set the UPS DC Disconnect circuit breaker to ON

Close/Turn ON the Q1 breaker on the PDU to apply power to the UPS

Set the UPS System Enable switch to ON.

Set the XR battery enclosure DC Disconnect breaker to ON

The Display should display "PowerView" as the UPS boots for up to 45 seconds.

Once the main "Fuel, Load" screen shows up

Close/Turn ON the Q2 breaker on the PDU

Press ESC key on the display. Select "Control", then press Enter, then scroll down to "Turn Load On" and press Enter. Display will ask for confirmation.

The screen will display "UPS has been commanded to turn load on"

TEST SYSTEM BYPASS

Press ESC key on display and Select "Control" then press Enter and select UPS Into Bypass command.

Confirm

The display should confirm “UPS is in Bypass”
Confirm that the Q3 LED light on the PDU is illuminated.
Close/Turn ON the Q3 breaker on the PDU
Open/Turn OFF the Q2 breaker on the PDU
Turn the UPS System Enable Switch and DC Disconnect breaker to the OFF position
Turn OFF the Q1 breaker on the PDU.
The Unit is now in Maintenance Bypass operation.
Confirm that your output distribution system is getting proper power.

HELPFUL TIP: On the PDU display, select Help from the top level display and Select “Return from PDU Maintenance Bypass” for an on-screen guided process

RETURN TO UPS PROTECTED POWER

Turn the DC Disconnect breaker and the UPS System Enable Switch to the ON position
Close/Turn ON the Q1 breaker on the PDU
Press ESC key on UPS display and Select “Control” then press Enter and select UPS Into Bypass command.
Confirm
The display should confirm “UPS is in Bypass”
Confirm that the Q2 LED light on the PDU is illuminated
Close/Turn ON the Q2 breaker on the PDU
Confirm that the Q3 LED light on the PDU is illuminated
Open/Turn OFF the Q3 breaker on the PDU
Press ESC key on UPS display and Select “Control” then press Enter and select UPS Out of Bypass command. Confirm

FINISH INSTALLING MODULES

Once the UPS is online.
Install an additional row of batteries (4 pods) and Push in to energize. Wait 15 seconds for unit to confirm that the new batteries have been recognized. Press ESC and repeat for remaining battery modules
Repeat procedures for Power Modules. Again wait for the UPS to recognize the additional module before installing another unit.
Once all the batteries and power modules have been installed... Use the main UPS display to select Control then “Do Self Test”
The self test process may take several minutes to initialize and complete.

QR CODE FOR BYPASS VIDEO





Pre-Installation Checklist

Before completing the Startup process, you should check the following to make it's safe to install

ASSEMBLY CHECK

TAKE Picture of the front of the unit

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Confirm MBP Low Voltage connection (right hand side of rear UPS):

Confirm EPO/Comm Low Voltage connections (left hand side of rear UPS):

Confirm front Communication cables (Display plugged in, XR Communication Cable plugged in with terminator in Port 1)

ELECTRICAL CHECK

Where is location of the means of disconnect supplying the UPS?

What conduit and wire size for the input power feed to the PDU on the UPS?

How are the ends of the input feed terminated on the lugs of the PDU on the UPS? (ferrules, brundy's etc)

What is the type of Overcurrent protection for the UPS circuit? Fuse Breaker

What is the amperage of the Overcurrent protection for the UPS circuit?

Measure the voltage at the disconnect/MOD L1 L2 L3

Confirm proper R-S-T phase rotation on the UPS circuit