# SYMMETRA PX 100, 100 kVA Package

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## LEGEND

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<td>BATTERY</td>
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<td>BYPASS SSW</td>
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<tr>
<td>SKU#</td>
<td>Runtime in Min</td>
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NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. PLEASE REFER TO PRODUCT MANUALS PRIOR TO INSTALLATION AND SITE PREPARATION WORK FOR FURTHER DETAILS.
3. FRONT AND REAR SERVICE ACCESS IS REQUIRED.
4. FOR CONFIGURATION AND RUNTIME DETAILS REFER TO TABLE ABOVE.
5. FOR OPERATING TEMPERATURE PLEASE REFER TO INDIVIDUAL COMPONENT DRAWINGS.
6. BATTERY RUN TIMES ARE THEORETICAL AND CALCULATED BASED ON DATA PROVIDED BY BATTERY MANUFACTURER ASSUMING OPTIMUM ENVIRONMENT AND LOAD CONDITIONS.

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   SITE PREPARATION WORK.
3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
4. TO STABILIZE ENCLOSURE IN THE FIELD, USE INCLUDED ANCHORING BRACKETS.
   ATTACH THE BRACKETS TO THE UNIT AS SHOWN.
   USE CODE COMPLIANT FASTENERS TO SECURE THE UNIT TO THE FLOOR.
5. ANCHORING BRACKETS CAN BE INSTALLED AT FRONT AND BACK OF UNIT.
   ADEQUATE FRONT AND REAR CLEARANCE SHOULD BE PROVIDED IF THE UNIT IS TO BE ANCHORED.
   USE CODE COMPLIANT FASTENERS TO SECURE UNIT TO THE FLOOR.
   BOLT DOWN KIT (SKU # AR7701) IS OPTIONAL AND HAS TO BE ORDERED SEPARATELY.
Make contact closure connections (NO or NC) to monitor dry contacts. Up to eight connections can be made-four input contacts and four output relays.

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3.0.3VA = MINIMUM POWER CONSUMPTION OF THE RELAY.
1.9kW = MAXIMUM POWER THAT CAN FLOW THROUGH THE CONTACTS.

Output Relays:
- 240V/8A
- 0.3VA/1.9kW

Input signals: Contact load: TTL

- 1/2 Q001 UPS Input Switch (N/O position)
- 3/4 Q002 UPS Output Switch (N/O position)
- 5/6 Q003 UPS service bypass Switch (N/C position)
- 7/8 OK to operate UPS Output Switch Q002
- 9/10 OK to operate Service Bypass Switch Q003
- 11/12 Not used
- 13/14 External Switchgear present
EPO INTERFACE FOR DC BREAKER TRIP

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2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
4. ALL POWER DISTRIBUTION MODULES AND EXTENDER CABLES ARE NOT PART OF THIS SKU AND ARE ORDERED SEPARATELY. CONTACT SCHNEIDER ELECTRIC.
NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS.
3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT, PLEASE REFER TO MECHANICAL DRAWINGS FOR PHYSICAL LAYOUT.
4. MAXIMUM AVAILABLE FAULT CURRENT IS 30kA.
5. AC SOURCE TO BE 208VAC 3PH Y/Δ 3 OR 4 WIRE+GROUND (CONTACT Schneider Electric IF OTHER).
6. AC CABLEING TO BE 600V RATED, 3 OR 4 WIRE+GROUND.
7. SINGLE MAINS CONFIGURATION IS A DEFAULT REFER TO SHEET-16 FOR DUAL MAINS.
8. THE DRAWING SHOWS MINIMUM NUMBER OF XR BATTERY FRAMES.
9. MAXIMUM (4) XR BATTERY FRAMES CAN BE BAYED TO UPS.
10. DISTRIBUTION MODULES ARE NOT PART OF PDP-1000F-M, CAN BE PURCHASED SEPARATELY FROM Schneider Electric.
11. REFER TO SHEET-17 FOR RECOMMENDED OCSP RATING.
12. FOR PROPER INSTALLATION OF EPO, MIB BREAKER MUST BE INTERRUPTED UPON
    OF THE EPO BUTTON, A SHUNT TRIP COIL MAY THEREFORE BE NECESSARY FOR
    THIS PURPOSE. FOR MORE DETAILS, SEE EPO SECTION IN THE INSTALLATION MANUAL.

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2. REFER TO PRODUCT MANUALS FOR ADDITIONAL DETAILS.
3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT. PLEASE REFER TO MECHANICAL DRAWINGS FOR PHYSICAL LAYOUT.
△4. MAXIMUM AVAILABLE FAULT CURRENT IS 30kA.
△5. AC SOURCE TO BE 208VAC 3PH WYE 3 OR 4 WIRE+GROUND (CONTACT Schneider Electric IF OTHER). FOR DUAL MAINS CONFIGURATION REMOVE THE 3 SHORING STRAPS/WIRES.
△6. AC CABLE TO BE 600G RATED, 3 OR 4 WIRE+GROUND.
△7. SINGLE MAINS CONFIGURATION IS A DEFAULT.
△8. DISTRIBUTION MODULES ARE NOT PART OF PDP100/PTF-M, CAN BE PURCHASED SEPARATELY FROM Schneider Electric.
△9. SEE INSTALLATION MANUAL FOR RECOMMENDED SETTINGS.
△10. REFER TO SHEET-17 FOR RECOMMENDED OC/PD RATINGS.
△11. FOR PROPER INSTALLATION OF EPS, MB AND BIB BREAKER MUST BE INTERRUPTED UPON OF THE EPS BUTTON. A SHUNT TRIP COIL MAY THEREFORE BE NECESSARY FOR THIS PURPOSE. FOR MORE DETAILS, SEE EPS SECTION IN THE INSTALLATION MANU
Symmetra® PX 100K UPS Frame Site Planning Data - w/ Modular PDU - w/o Transformer

<table>
<thead>
<tr>
<th>UPS Rating</th>
<th>Voltage</th>
<th>Rectifier AC Input</th>
<th>Bypass AC Input</th>
<th>External Battery System</th>
<th>AC Output</th>
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<td>MIB Dual Feed</td>
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Symmetra® PX
Notes:
1. Mains Input source(s) must be 208V Wye Solidly grounded. Contact Schneider Electric if other.
2. Output is either 208V wye 3-wire + Ground or 4-wire + GROUND. Bypass source shall be 4-wire + G.
3. Recommended cables are THHN AWG/kcmil minimum requirement in raceway, sized for 30°C environment, 75°C terminations, PFC load, and three (3) current carrying conductors per circuit. All Cabling must comply with installation site conditions and any applicable codes.
4. Either single feed MIB or dual feed BIB input for the bypass shall be 4-wire + G. Rectifier MIB Input for Dual Feed shall be 3-wire + G. See respective one-line drawings for further clarification.
5. Contact Schneider Electric for assistance with all external battery designs. Maximum allowed DC voltage drop is 1 VDC.
6. Electronic Input current Limit.
7. This is the UPS short time rating of 125% Overload for 10 minutes. Actual short time performance may be limited by the overcurrent protective device selected.
8. For maximum scalability or future expansion it is recommended that the UPS frames be installed at their full ratings - see bold highlighted data.
9. All OCPD’s and cabling are by others.
10. Final selections are responsibility of Engineer of record based on installed conditions and SCC/Selective co-ordination/arc-flash analysis.