### DEVICE RATING

<table>
<thead>
<tr>
<th>Device</th>
<th>Rating</th>
<th>Type</th>
<th>Make</th>
<th>Model</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>QP</td>
<td>600AF, 480/277VAC</td>
<td>3P MCCB</td>
<td>Schneider Electric</td>
<td>LJF34600WU33X</td>
<td>1 AUX SWITCH (SPDT TYPE)</td>
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<td>Q1</td>
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<td>4P MCCB</td>
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<td>Q3</td>
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<tr>
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<td>400AF, 600V</td>
<td>3P MCCB</td>
<td>Schneider Electric</td>
<td>LJF36400CU33X</td>
<td>1 AUX SWITCH (SPDT TYPE)</td>
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<tr>
<td>Q7</td>
<td>320A, 500VDC</td>
<td>3P DC BREAKER</td>
<td>ABB</td>
<td>TSN2020WA54</td>
<td>1 SHUNT TRIP (110-125VAC/DC)</td>
</tr>
</tbody>
</table>

**NOTES:**
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. THE GROUNDING SYSTEM SHALL BE INSTALLED AS A SEPARATELY DERIVED SYSTEM IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
3. REFER TO PRODUCT DOCUMENTATION PRIOR TO INSTALLATION AND POST-INSTALLATION WORK.
4. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL DIAGRAM. PLEASE REFER TO MECHANICAL DRAWINGS FOR PHYSICAL LAYOUT.
5. MAXIMUM AVAILABLE FAULT CURRENT IS 6000A.
6. AC SOURCE TO BE 208VAC 3PH 3 WIRE-GROUND (CONTACT SCHNEIDER ELECTRIC, IF OTHER, REFER TO SHEET-3 FOR RECOMMENDED GFCI RATINGS).
7. THE GROUNDING ELECTRODE CONDUCTOR (GEC) SHALL BE PROVIDED BY OTHERS.
8. SINGLE MAINS CONFIGURATION IS A DEFAULT. REFER TO SHEET-2 FOR DUAL MAINS.
9. THIS DRAWING SHOWS MINIMUM NUMBER OF XR BATTERY FRAMES.
10. MAXIMUM (4) XR BATTERY FRAMES CAN BE DEDUCTED TO UPS.
11. DISTRIBUTION MODULES ARE NOT PART OF PDM1000DEF-M, CAN BE PURCHASED SEPARATELY FROM SCHNEIDER ELECTRIC.
12. SEE INSTALLATION MANUAL FOR RECOMMENDED SETTINGS.
13. FOR PROPER INSTALLATION OF EPO, EPO BREAKER MUST BE INTERRUPTED UPON 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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**Diagram Description:**
- **XR Battery Frame:**
  - [SYF100K+ SYF100KF+ SYF100K2(10)]
- **UPS Power Frame:**
  - [SYF120T2-PL+SYF120T2(10)]
- **MWB with Isolation Xfmr & Modular Power Distribution:**
  - (PDM1000DEF-M)
- **Side Car:**
  - (PDM1000S)

**Legend:**
- **MB: Main Breaker**
- **AC Cable - Provided by Others**

**Notes on Diagram:**
- **Utility Source:**
  - 208V 3PH
  - 3 Wire + Ground
### Table: Device Rating

<table>
<thead>
<tr>
<th>Device</th>
<th>Rating</th>
<th>Type</th>
<th>Make</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q8</td>
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<td>320A, 500VDC</td>
<td>3P DC BREAKER</td>
<td>ABB</td>
<td>TNN320TWA54</td>
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</tbody>
</table>

### Diagram

- **Utility Source (Provided by Others)**: 208V 3PH WYE 3 Wire + Ground
- **MBP with Isolation XFMR & Modular Power Distribution**
- **Modular Distribution Panel**
- **Modular Output**
  - 2 Wire+Ground or 4 Wire+Ground
- **Subfeed Output**
  - 2 Wire+Ground or 3 Wire+Ground or 4 Wire+Ground
- **UPS System Output 100kVA 208V 3PH**

### Legend
- **AC Cable**: Provided by Others

### Notes
1. Installation shall comply with all applicable national, state, and local codes.
2. Refer to product documentation for additional details prior to installation and site preparation work.
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 32kA.
5. AC source to be 208V 3PH 3 Wire+Ground (Contact Schneider Electric, F Other).
6. AC cables to be 600V rated, 3 Wire+Ground.
7. The grounding electrode conductor (GEC) shall be provided by others.
8. Single mains configuration is a default.
9. For dual mains configuration, remove the 3 shorting straps/wires.
10. Distribution modules are not part of PDPM100GFH-W, can be purchased separately from Schneider Electric.
11. See installation manual for recommended settings.
12. Refer to sheet 3 for recommended GCW ratings.
13. For proper installation of EPO, MB breaker must be interrupted upon operation of EPO button. A shunt trip coil may therefore be necessary for this purpose. For more details, see EPO section in the installation manual.
### Symmetra® PX 100K UPS Frame Submittal Data - w/ Modular PDU - w/208V Transformer

<table>
<thead>
<tr>
<th>UPS Frame Rating</th>
<th>Voltage</th>
<th>Transformer AC Input</th>
<th>External Battery System</th>
<th>AC Output</th>
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<tr>
<td>100kVA/100kW</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

#### UPS Rectifier AC Input
- **MIB Dual Feed**:
  - Qty of 10kW Power Modules: 8
  - Voltage: 208/208
  - Current: 100A
  - Recommendations: 3, 9

#### Transformer AC Input
- **MIB Single Feed or BIB Dual Feed**:
  - Nominal VDC: 300A
  - Battery kW: 300A
  - Current: 1x 80A

#### Notes:
- 208 V Modular PDU: PDPM100F6F-M
- 1. The rectifier Input source for dual feed must be 208V Wye 3-wire + Ground. Contact Schneider Electric if other.
- 2. Output is either 208V Wye 3-wire + Ground or 4-wire + GROUND.
- 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 Local or National Codes.
- 4. The transformer input source must be 208V 3-wire + Ground, and the OCPD must be capable of supporting a inrush current of 4500A.
- 5. Contact Schneider Electric for assistance with all external battery designs. Maximum allowed DC cabling 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. Dual feed only for mains 1 input. See Bypass AC Input for mains 2 input.
- 11. OCPD = Over Current Protective Device
- 12. Final selections are responsibility of Engineer of record based on installed conditions and SCC/ Selective co-ordination/ arc-flash analysis.