

**Symmetra® PX 100K UPS Frame Site Planning Data - w/ Modular PDU - w/208V Transformer**

UPS Rating		Voltage		UPS Rectifier AC Input MIB Dual Feed <sup>1</sup>							Transformer AC Input Single Feed or BIB Dual Feed <sup>4</sup>							MIB				External Battery System <sup>5</sup>					AC Output	
				Current		Recommendations <sup>3, 9, 10</sup>					Voltage	Current		Recommendations <sup>3, 9</sup>				Nominal VDC	Battery kW	Current @ Nom. VDC	Recommendations <sup>3, 9</sup>		Current					
UPS Frame Rating	Qty of 10 kW Power Modules <sup>8</sup>	UPS Rating kVA/kW	In put <sup>1</sup>	Output <sup>2</sup>	Full Load	Max. <sup>6</sup>	100% OCPD	100% Cable	80% OCPD	80% Cable	Input	NOM.	Max. <sup>7</sup>	100% OCPD	100% Cable	80% OCPD	80% Cable							100% OCPD	100% Cable	NOM.	Max. <sup>7</sup>	
100kVA / 100kW 100K Frame	1	10	208	208	33	36	40A	1x 8	45A	1x 8	208	N/A	N/A	N/A	N/A	N/A	N/A	2x 192	11	28	30A	1x 8	28	35				
	2	20	208	208	66	72	80A	1x 4	90A	1x 4	208	N/A	N/A	N/A	N/A	N/A	N/A	2x 192	22	56	60A	1x 6	56	70				
	3	30	208	208	100	108	110A	1x 2	125A	1x 1	208	N/A	N/A	N/A	N/A	N/A	N/A	2x 192	32	84	90A	1x 4	84	105				
	4	40	208	208	133	144	150A	1x 1/0	175A	1x 2/0	208	N/A	N/A	N/A	N/A	N/A	N/A	2x 192	43	113	125A	1x 2	112	140				
	5	50	208	208	166	180	200A	1x 3/0	225A	1x 4/0	208	N/A	N/A	N/A	N/A	N/A	N/A	2x 192	54	141	150A	1x 1/0	140	175				
	6	60	208	208	199	216	225A	1x 4/0	250A	1x 250	208	N/A	N/A	N/A	N/A	N/A	N/A	2x 192	65	169	175A	1x 2/0	168	210				
	7	70	208	208	232	252	300A	1x 250	300A	1x 350	208	N/A	N/A	N/A	N/A	N/A	N/A	2x 192	76	197	200A	1x 3/0	196	245				
	8	80	208	208	266	288	300A	1x 350	350A	1x 400	208	N/A	N/A	N/A	N/A	N/A	N/A	2x 192	86	225	225A	1x 4/0	224	280				
	9	90	208	208	299	324	350A	1x 400	400A	1x 500	208	N/A	N/A	N/A	N/A	N/A	N/A	2x 192	97	253	300A	1x 250	252	315				
	10	100	208	208	332	360	400A	1x 500	450A	2x 4/0	208	366A	N/A	450A	2x 4/0	500A	2x 4/0	2x 192	108	282	300A	1x 300	278	347				

**Symmetra® PX**

Notes. 208V Modular PDU: PDMP100F6F-M

- The Rectifier Input source for dual feed must be 208V Wye 3-wire + Ground. Contact Schneider Electric if other.
- Output is either 208V Wye 3-wire + Ground or 4-wire + GROUND.
- 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.
- The Transformer input source must be 208V 3-wire + Ground and the OCPD must be capable of supporting a inrush current of 4500A.
- Contact Schneider Electric for assistance with all external battery designs. Maximum allowed DC Cabling voltage drop is 1 VDC.
- Electronic Input current Limit.
- 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.
- For maximum scalability or future expansion it is recommended that the UPS frames be installed at their full ratings - see bold highlighted data.
- All OCPD's and cabling are by others.
- Dual feed only for mains 1 input. See Bypass AC Input for mains 2 input.
- OCPD = Over Current Protective Device.

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TITLE: SYMMETRA PX  
SYMMETRA PX 100 kW  
INPUT: 208V, 3PH  
OUTPUT: 208V, 100kW, 3PH, BOTTOM FEED  
SITE PLANNING DATA  
PROJECT: DRAWINGS SHEET 18 OF 18

DWG NO: SY100K100FBPDPM100FSC  
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REV: 0  
ANGLE  
PROJECTION  
NA