

Symmetra® PX 100K UPS Frame Site Planning Data - w/ Modular PDU - w/480V Transformer

UPS Rating			Voltage		Rectifier AC Input MIB Dual Feed ¹						Transformer AC Input MIB Single Feed or BIB Dual Feed ⁴						External Battery System ⁵					AC Output		
UPS Frame Rating	Qty of 10 kW Power Modules ⁸	UPS Rating kVA/kW	In put ¹	Output ²	Current		Recommendations ^{3, 9, 10}				Voltage	Current		Recommendations ^{3, 9}				Nominal VDC	Battery kW	Current @ Nom. VDC	Recommendations ^{3, 9}		Current	
					Full Load	Max. ⁶	100% OCPD	100% Cable	80% OCPD	80% Cable		NOM.	Max. ⁷	100% OCPD	100% Cable	80% OCPD	80% Cable				100% OCPD	100% Cable	NOM.	Max. ⁷
100kVA / 100kW 100K Frame	1	10	208	208	33	36	40A	1x 8	45A	1x 8	480	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	480	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	480	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	480	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	480	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	480	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	480	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	480	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	480	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	480	165A	N/A	175A	1x 3/0	225A	1x 4/0	2x 192	108	282	300A	1x 300	278	347

Symmetra® PX

Notes. 480V Modular PDU: PDMP100G6F-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 480V 3-wire + Ground, and the OCPD must be capable of supporting a inrush current of 1750A.
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.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



TITLE: SYMMETRA PX
SYMMETRA PX 100 KW
INPUT: 480V, 3PH
OUTPUT: 208V, 100kW, 3PH, BOTTOM FEED
SITE PLANNING DATA

PROJECT: DRAWINGS SHEET 18 OF 18

DWG NO: SY100K100FBPDPM100GSC

REV: 0

DRAWN BY: JAYAPRAKASH	5-MAR-12	ANGLE
ENGINEER: K.S/C.F.P./J.S	5-MAR-12	PROJECTION
APPROVED BY: B.SHERIDAN/F.DIOSA	5-MAR-12	NA