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						S	ymme	tra® PX 250	K and 500K	UPS	Fran	ne Sit	e Planning E	Data - 415Y/2	40V I	Dual F	eed w	ith MB	wD				
UPS Rating			Voltage		Mains AC Input - (MIB) 1					Bypass AC Input - (BIB) <sup>≥</sup>				External Battery System 3.5						AC Output			
Of O Nating		Current			Recommendations 3			Currents		Recommendations <sup>8</sup>				a Turning	Current	Recommendations			Current				
UPS Frame Rating	Qty of 25kW Pow er Modules <sup>8</sup>	kVA	kW	Input †	Output <sup>2</sup>	Full Load	Max.	100% OCPD w/Bectronic Trip	80% OCPD w/Bectronic Trip	Cable	NOM.	Max, 7	100% OCPD w/Bectronic Trip	80% OCPO w/Bectronic Trip	Cable	Nominal VDC	Battery kW	@ Nom. VDC	100% OCPO w/Bectronic Trip	80% OCPD w/Electronic Trip	Cable	NOM.	Max. 7
500kVA/500kW 250kVA/250kW 2x 250K Frame 1x 250K Frame	4	100	100	415	415	160	179	600AF/200AT	600AF/200AT	1x 3/0	139	174	600AF/150AT	600AF/150AT	1x 1/0	2x 288	104	181	600AF/200AT	600AF/200AT	1x 3/0	139	174
	5	125	125	415	415	200	223	600AF/225AT	600AF/225AT	1x 4/0	174	217	600AF/175AT	600AF/175AT	1x 2/0	2x 288	130	226	600AF/250AT	600AF/250AT	1x 4/0	174	217
	6	150	150	415	415	240	268	600AF/300AT	600AF/300AT	1x 300	209	261	600AF/225AT	600AF/225AT	1x 4/0	2x 288	156	271	600AF/300AT	600AF/300AT	1x 300	209	261
	7	175	175	415	415	280	313	600AF/350AT	600AF/350AT	1x 400	243	304	600AF/250AT	600A F/250AT	1x 250	2x 288	182	316	600AF/350AT	600AF/350AT	1x 400	243	304
	8	200	200	415	415	320	357	600AF/400AT	600AF/400AT	1x 500	278	348	600AF/300AT	600AF/300AT	1x 300	2x 288	208	362	600AF/400AT	600AF/400AT	1x 500	278	348
	9	225	225	415	415	360	402	600AF/450AT	600AF/450AT	2 x 4/0	313	391	600AF/350AT	600AF/350AT	1x 400	2x 288	234	407	600AF/450AT	600AF/450AT	2x 4/0	313	391
	108	250	250	415	415	401	447	600AF/450AT	600AF/450AT	2x 4/0	348	435	600AF/350AT	600AF/350AT	1x 500	2x 288	260	452	600AF/500AT	800AF/500AT	2x 4/0	348	435
	- 11	275	275	415	415	441	491	600AF/500AT	800AF/500AT	2x 250	383	478	600AF/400AT	600A F/400AT	2x 3/0	2x 288	286	497	600AF/500AT	800AF/500AT	2x 250	383	478
	12	300	300	415	415	481	536	600AF/600AT	800AF/600AT	2x 300	417	522	600AF/450AT	600A F/450A T	2x 4/0	2x 288	312	543	600AF/600AT	800AF/600AT	2x 300	417	522
	13	325	325	415	415	521	581	600AF/600AT	800AF/600AT	2x 350	452	565	600AF/480AT	600A F/480A T	2x 4/0	2x 288	339	588	600AF/600AT	800AF/600AT	2x 350	452	565
	14	350	350	415	415	561	626	800AF/700AT	1200AF/700AT	2x 400	487	609	600AF/500AT	800AF/500AT	2x 250	2x 288	365	633	800AF/640AT	800AF/640AT	2x 400	487	609
	15	375	375	415	415	601	670	800AF/700AT	1200AF/700AT	2x 400	522	652	600AF/600AT	800A F/600AT	2x 300	2x 288	391	678	800AF/700AT	1200AF/700AT	2x 500	522	652
	16	400	400	415	415	641	715	800AF/800AT	1200AF/800AT	2x 500	556	696	600AF/600AT	800AF/600AT	2x 300	2x 288	417	723	800AF/800AT	1200AF/800AT	2x 500	556	696
	17	425	425	415	415	681	760	800AF/800AT	1200AF/800AT	2x 500	591	739	600AF/600AT	800AF/600AT	2x 350	2x 288	443	769	800AF/800AT	1200AF/800AT	3x 300	591	739
	18	450	450	415	415	721	804	1200AF/900AT	1200AF/900AT	3x 350	626	783	800AF/640AT	800A F/640AT	2x 400	2x 288	469	814	1200AF/900AT	1200AF/900AT	3x 350	626	783
	19	475	475	415	415	N/A 10	N/A 10	N/A 10	N/A TO	N/A 10	N/A to	N/A 10	N/A 10	N/A in	N/A 10	2x 288	495	859	1200AF/900AT	1200AF/900AT	3x 350	N/A 10	N/A 10
	20 <sup>8</sup>	500	500	415	415	N/A 10	N/A 10	N/A 10	N/A 10	N/A 10	N/A 10	NA 10	N/A 10	NA 10	N/A 10	2x 288	521	904	1200AF/960AT	1200AF/960AT	3x350	N/A 10	N/A 10

## Symmetra® PX

- 1. Mains Input source must be 415Y/240V 4-wire + Ground. Contact Schneider Eectric if other.
- 2. Output is 415Y/240V 4-wire + Ground. The bypass AC input source must be 415Y/240V 4-wire + Ground.
- 3. Recommended cables are AWG/kcmil minimum requirement for three (3) current carrying conductors in racew ay, sized for 30°C environment and 75°C terminations. All cabling must comply with installation site conditions and any applicable Local and or National Codes.
- 4. See applicable submittal drawings for additional details.
- 5. Contact Schneider Bectric for assistance with all external battery designs. Maximum allowed DC cabling voltage drop is 1 VDC, DC cabling between the remote battery system and the UPS must be 1000V rated. Schneider Bectric Standard external DCD's are rated 500A (PX 250kVA) or 1000A (PX 500kVA).
- 6. Bectronic 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 over current 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. Not applicable MBw D is determined by Q2 & Q3 rating of 800A 80% (640A).
- 11. OCPD = Over Current Protective Device
- 12. Final selections are responsibility of engineer of record based on installed conditions and SCC/selective coordination/arc-flash analysis.

DWG NO: SY	DWG NO: SY500K500BH2C1-4W-SD											
DRAWN:	BALAMURUGAN	29-JUL-15	PROJ									
ENGINEER:	A WARNER	29-JUL-15	ANGLE									