

SPMA Simplest Installation - minimum interconnections

Fig 1 - SPMA x 1



Fig 2 - SPMA x 2

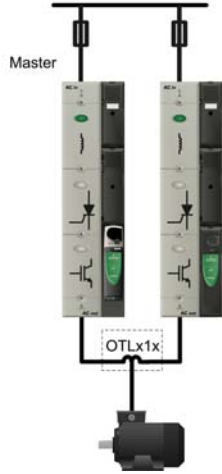
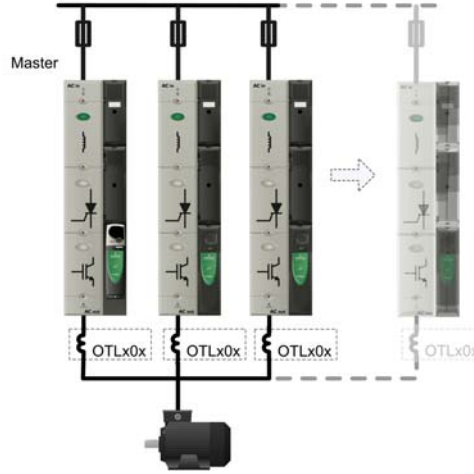


Fig 3 - SPMA x 3 to x 10



	Normal Duty			Heavy Duty			Fig.	Top Level Drive Order Code	Drive Order Code Items			
	Max Continuous Current	Typical Motor Output		Max Continuous Current	Typical Motor Output				Modules		Inductors	
		(A)	@ 400V (kW)		@ 460V (HP)	(A)			@ 400V (kW)	@ 460V (HP)		Drive
400V	205	110	150	180	90	150	1	SPMAI401-M	1 x SPMAI401	1		
	236	132	200	210	110	150	1	SPMAI402-M	1 x SPMAI402	1		
	390	225	300	342	185	300	2	SPMAI401-2S	2 x SPMAI401	1	1	1 x OTL411
	449	250	400	400	225	350	2	SPMAI402-2S	2 x SPMAI402	1	1	1 x OTL412
	585	315	500	514	280	450	3	SPMAI401-3S	3 x SPMAI401	1	2	3 x OTL401
	674	355	550	600	315	500	3	SPMAI402-3S	3 x SPMAI402	1	2	3 x OTL402
	780	400	650	685	355	600	3	SPMAI401-4S	4 x SPMAI401	1	3	4 x OTL401
	899	500	750	800	400	700	3	SPMAI402-4S	4 x SPMAI402	1	3	4 x OTL402
	976	550	850	857	450	750	3	SPMAI401-5S	5 x SPMAI401	1	4	5 x OTL401
	1123	600	950	1000	550	850	3	SPMAI402-5S	5 x SPMAI402	1	4	5 x OTL402
	1171	650	1000	1028	550	900	3	SPMAI401-6S	6 x SPMAI401	1	5	6 x OTL401
1348	750	1150	1200	650	1050	3	SPMAI402-6S	6 x SPMAI402	1	5	6 x OTL402	
For higher currents, please contact your supplier. The maximum number of parallel output stages is 10, as on next line:												
	2247	1250	1950	2000	1100	1750	3	SPMAI402-10S	10 x SPMAI402	1	9	10 x OTL402

	@ 690V (kW)		@ 575V (HP)		@ 690V (kW)		@ 575V (HP)		Fig.	Top Level Drive Order Code	Drive Order Code Items			
											Modules		Inductors	
											Drive			Master
575V / 690V	125	110	125	100	90	100	1	SPMAI601-M	1 x SPMAI601	1				
	144	132	150	125	110	125	1	SPMAI602-M	1 x SPMAI602	1				
	238	200	250	190	185	200	2	SPMAI601-2S	2 x SPMAI601	1	1	1 x OTL611		
	274	250	300	238	200	250	2	SPMAI602-2S	2 x SPMAI602	1	1	1 x OTL612		
	357	350	350	285	250	300	3	SPMAI601-3S	3 x SPMAI601	1	2	3 x OTL601		
	411	400	450	357	300	350	3	SPMAI602-3S	3 x SPMAI602	1	2	3 x OTL602		
	476	450	500	380	350	400	3	SPMAI601-4S	4 x SPMAI601	1	3	4 x OTL601		
	548	500	600	476	450	500	3	SPMAI602-4S	4 x SPMAI602	1	3	4 x OTL602		
	595	550	650	476	450	500	3	SPMAI601-5S	5 x SPMAI601	1	4	5 x OTL601		
	685	650	700	595	550	650	3	SPMAI602-5S	5 x SPMAI602	1	4	5 x OTL602		
	714	700	750	571	550	600	3	SPMAI601-6S	6 x SPMAI601	1	5	6 x OTL601		
822	800	900	714	700	750	3	SPMAI602-6S	6 x SPMAI602	1	5	6 x OTL602			
For higher currents, please contact your supplier. The maximum number of parallel output stages is 10, as on next line:														
	1371	1350	1500	1190	1150	1300	3	SPMAI602-10S	10 x SPMAI602	1	9	10 x OTL602		

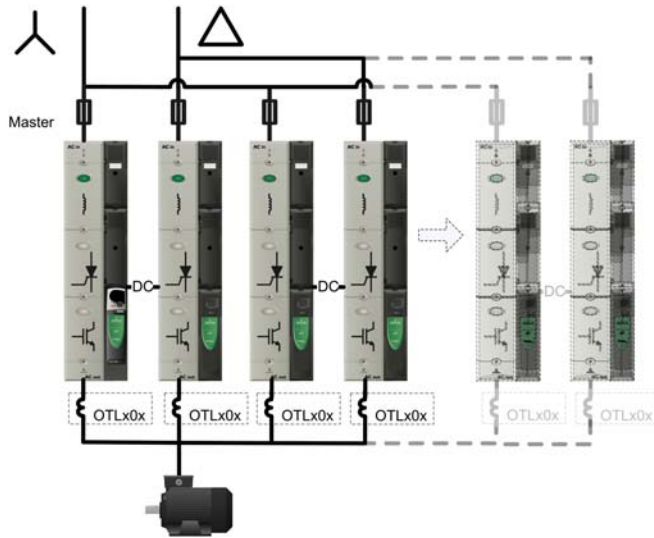
SPMA 12 Pulse - reduced harmonics

This principle may be extrapolated to 18 and 24 pulse configurations

Fig 4 - SPMA x 2



Fig 5 - SPMA x 4 to 10 (Pairs only)



	Normal Duty			Heavy Duty			Fig.	Top Level Drive Order Code	Drive Order Code Items			
	Max Continuous Current (A)	Typical Motor Output		Max Continuous Current (A)	Typical Motor Output				Modules			Inductors Output
		@ 400V (kW)	@ 460V (HP)		@ 400V (kW)	@ 460V (HP)			Drive	Master	Slave	
400V	390	225	300	342	185	300	4	SPMAI401-2T	2 x SPMAI401	1	1	1 x OTL411
	449	250	400	400	225	350	4	SPMAI402-2T	2 x SPMAI402	1	1	1 x OTL412
	780	400	650	685	355	600	5	SPMAI401-4T	4 x SPMAI401	1	3	4 x OTL401
	899	500	750	800	400	700	5	SPMAI402-4T	4 x SPMAI402	1	3	4 x OTL402
	1171	650	1000	1028	550	900	5	SPMAI401-6T	6 x SPMAI401	1	5	6 x OTL401
	1348	750	1150	1200	650	1050	5	SPMAI402-6T	6 x SPMAI402	1	5	6 x OTL402
	2247	1250	1950	2000	1100	1750	5	SPMAI402-10T	10 x SPMAI402	1	9	10 x OTL402
For higher currents, please contact your supplier. The maximum number of parallel output stages is 10, as on next line:												
575V / 690V		@ 690V (kW)	@ 575V (HP)		@ 690V (kW)	@ 575V (HP)						
	238	200	250	190	185	200	4	SPMAI601-2T	2 x SPMAI601	1	1	1 x OTL611
	274	250	300	238	200	250	4	SPMAI602-2T	2 x SPMAI602	1	1	1 x OTL612
	476	450	500	380	350	400	5	SPMAI601-4T	4 x SPMAI601	1	3	4 x OTL601
	548	500	600	476	450	500	5	SPMAI602-4T	4 x SPMAI602	1	3	4 x OTL602
	714	700	750	571	550	600	5	SPMAI601-6T	6 x SPMAI601	1	5	6 x OTL601
	822	800	900	714	700	750	5	SPMAI602-6T	6 x SPMAI602	1	5	6 x OTL602
For higher currents, please contact your supplier. The maximum number of parallel output stages is 10, as on next line:												
1371	1350	1500	1190	1150	1300	5	SPMAI602-10T	10 x SPMAI602	1	9	10 x OTL602	