

Spare Parts Options for PowerFlex Architecture Class Low Voltage Drives Rev. V

Product	Voltage Class	Frame Size	Part Description	Catalog String	Quantity per Drive	Rec'd Level
PowerFlex 700H High Power Structures	All	All	HIM Bezel with Blank Label	SK-H9-BZL1	1	MIS
			DPI Interface Board Maintenance Stand, Fr10 and up (Rittal Enclosure)	20-VB00601 20-MAINSTND	1 N/A	1 OPT
	400 / 480 VAC	9	Printed Circuit Boards Precharge Board Fan Inverter, Fr9 - 12	20-VB00459 20-VB00299	1 1	1 1
			Power Module Sub-assemblies Rectifier Module Sub-assembly without Brake IGBT 1 - Includes Precharge Board Rectifier Module Sub-assembly with Brake IGBT 1 - Includes Precharge Board	20-FR09822 20-FR09824	1 1	1 1
			261 Ampere Power Module Sub-assembly 1 300 Ampere Power Module Sub-assembly with Copper Heatsink 1	SK-H1-QOUT-D261 SK-H1-QOUT-D300	1 1	1 1
			Cables, Harnesses, and Connectors Rectifying Wire for Power Card Power Module Replacement Tool Plastic Terminal Base for non-CE drive Plastic Terminal Base with Filter Capacitors for standard (CE) drive Power Cable Connectors Fiber Optic Cable Set, Control to Driver Board Control Supply Cable	20-PP09018 20-RT-1 20-PP01082 20-PP01083 20-PP01065 20-PP60010 20-PP09043	1 N/A 12 12 1 1 1	MIS OPT MIS MIS MIS MIS MIS
			24 VDC Power Supply Cable for Control 24 VDC Power Supply Cable for Control	20-PP09046 SK-H1-CCBL-F9	1 1	MIS MIS
			Fan Inverter Wire Harness for X2, X7, X8, and X9 AC Fans and Main Fan Circuit Components 80mm x 80mm x 32mm Internal Stirring Fan Assembly 230 Watt Main Fan Assembly Fuse Holder for Fan Inverter Fuses Fuse for Fan Inverter Output Transformer for Fan Inverter Cooling Fan, 50mm, for Fan Inverter Fan Capacitor Kit, 7uF, PF700H/S, F9 Cover for Fan Inverter Compartment	20-PP01068 20-PP01080 20-PP20300 20-PP20202 20-PP09055 20-PP01049 SK-H1-FANCAP-F9 20-FR09133	2 1 1 2 1 1 1 1	MIS 2 2 MIS 1 MIS 2 MIS
			DC Fans and Main Fan Circuit Components DC Fan Power Board DC Fan Unit DC Fan System Retrofit Kit	SK-H1-DCFANBD1 SK-Y1-DCFANI SK-H1-DCFANRETROFIT-F9	1 1 1	1 2 2
			Capacitors ELKO 3300uF 420 VAC Bus Capacitor Snubber, Busbar with capacitors Miscellaneous Hardware, Resistors, etc. 2 x 16k Ω Discharging Resistor MOV Assembly Cover, Connection PF700H, PF700S, FR9 Cover, Conduit PF700H, PF700S, FR9 Cover, Power PF700H, PF700S, FR9	20-PP01005 20-PP09028 20-PP00052 SK-G9-MOV1-F6 20-FR09104 20-FR09118 20-FR09119	8 2 2 or 3 1 1 1 1	MIS MIS MIS 1 MIS MIS MIS

1 - Check original drive configuration or rating to select correct part

The "**Recommended (Rec'd) Level**" column is defined as:

OPT - Option that may or may not be part of customer's drive. Recommended for stocking if critical to application.

MIS - Miscellaneous Hardware and Cables

Level 1 - Printed circuit boards and other components that are recommended for stocking

Level 2 - Fans and spare part kits available for stocking

Level 3 - Complete power structure replacement kit

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Product	Voltage Class	Frame Size	Part Description	Catalog String	Quantity per Drive	Rec'd Level
PowerFlex 700H High Power Structures	400 / 480 VAC	10	Printed Circuit Boards			
			Precharge Board - Series A Drive	20-VB00459	1	1
			Precharge Board - Series B Drive	20-VB00461	1	1
			Gate Driver Board	SK-H1-GDB1-F10B	1	1
			Precharge Board - Series B Drive	SK-H1-PRECHRG1-D	1	1
			Gate Driver Board	SK-H1-GDB1-F1012D	1	1
			Gate Driver Adapter Board	20-VB00330	1	MIS
			ASIC Board, 400/480V, 385A ①	SK-H1-ASICBD-D385	1	1
			ASIC Board, 400/480V, 460A ①	SK-H1-ASICBD-D460	1	1
			ASIC Board, 400/480V, 500A ①	SK-H1-ASICBD-D500	1	1
			Fan Inverter, Fr9 - 12	20-VB00299	2	1
			Power Module Sub-Assemblies			
			Input SCR Module Sub-assembly - All current ratings - Does not include Precharge Board	20-FR10823	1	1
			385A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-D385	1	1
			460A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-D460	1	1
			500A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-D500	1	1
			Cables, Harnesses, and Connectors			
			Fiber Optic Cable with 24 VDC Power Signal	20-PP10032	1	1
			Cable Harness for Terminals L1, L2, and L3	20-PP10002	3	MIS
			Motor Cable Harness for Terminal V	20-PP10015	2	MIS
			Motor Cable Harness for Terminal W	20-PP10016	2	MIS
			Motor Cable Harness for Terminal U	20-PP10017	2	MIS
			Large Wire Harness, ASIC Board to Gate Driver +	20-PP10008	1	MIS
			Wire Modification Kit for ASIC Bd. ②	20-PP10023	1	MIS
			AC Fans and Main Fan Circuit Components			
			60mm Internal Fan for ASIC Board	20-PP01096	1	2
			230 Watt Main Fan Assembly	20-PP01080	2	2
			Fuse Holder for Fan Inverter	20-PP20300	1	MIS
			Fuse for Fan Inverter	20-PP20202	1	1
			Output Transformer Assembly for Fan Inverter, Left	20-FR10844	1	MIS
			Output Transformer Assembly for Fan Inverter, Right	20-FR10845	1	MIS
			Fan Capacitor Kit, 7uF, PF700H/S, F10/12	SK-H1-FANCAP-F1012	2	2
			DC Fans and Main Fan Circuit Components			
			DC Fan Power Board	SK-H1-DCFANBD1	2	1
			DC Fan Unit	SK-Y1-DCFANI	2	2
			DC Fan System Retrofit Kit	SK-H1-DCFANRETROFIT-F10	1	2
			Capacitors			
			ELKO 3300µF 420 VAC Bus Capacitor	20-PP01005	12	MIS
			300nF 500 VAC Capacitor Assembly	20-PP10019	2	2
			Miscellaneous Hardware, Resistors, etc.			
			2 x 16k Ω Discharging Resistor	20-PP00056	4	MIS
			2 x 16k Ω Discharging Resistor - Series B Drive Only	20-PP13027	4	MIS
			2 x 16k Ω Discharging Resistor - Series B Drive Only	20-PP13028	2	MIS
			ASIC Assembly Kit ②	20-FR10959	1	2
			Precharging Resistors - Series B Drive Only	20-PP00066	1	MIS
			AC Line Choke	SK-H1-CHK0520	1	MIS

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Product	Voltage Class	Frame Size	Part Description	Catalog String	Quantity per Drive	Rec'd Level
PowerFlex 700H High Power Structures	400 / 480 VAC	10	Cabinet Components			
			Door, IP 20 Rittal 600 mm	20-IP20DR-600	1	MIS
			Door, IP 20 MCC 600 mm	20-IP20MCCDR-600	1	MIS
			Door, IP54/N12, for 600mm wide PowerFlex	20-IP54DR-600	1	MIS
			Roof, IP54/N12, for 600mm wide PowerFlex	20-IP54RF-600	1	MIS
			Nema 12 / IP54 Door and Roof Filter Kit 600mm	SK-H1-FLTR1-600	1	MIS
			IP54 Paper Filter Kit, 600mm Enclosure, Door	SK-H1-PDRFLTR1-600	1	1
			IP54 Paper Filter Kit, 600mm Enclosure, Roof	SK-H1-PRFFLTR1-600	1	1
			Complete Power Structure Replacement			
			Power Structure, Fr10, 400/480V, 385A , PF700H, PF700S	SK-H1-PWRMOD-D385	1	3
			Power Structure, Fr10, 400/480V, 460A , PF700H, PF700S	SK-H1-PWRMOD-D460	1	3
			Power Structure, Fr10, 400/480V, 500A , PF700H, PF700S	SK-H1-PWRMOD-D500	1	3
			Busbar Z Kit	SK-H1-BBARZ-F1012	1	MIS
PowerFlex 700H High Power Structures	400 / 480 VAC	11	Printed Circuit Boards			
			Precharge Board Series A Drive	20-VB00459	2	1
			Precharge Board Series B Drive	20-VB00461	2	1
			Gate Driver Bd	SK-H1-GDB1-F119	3	1
			Precharge Board - Series B Drive	SK-H1-PRECHRGB1-D	2	1
			Gate Driver Board	SK-H1-GDB1-F11D	3	1
			ASIC Board, 400/480V, 590A	SK-H1-ASICBD-D590	1	1
			ASIC Board, 400/480V, 650A	SK-H1-ASICBD-D650	1	1
			ASIC Board, 400/480V, 730A	SK-H1-ASICBD-D730	1	1
			Fan Inverter, Fr9 - 12	20-VB00299	3	1
			Power Module Sub-Assemblies			
			Input SCR Module Sub-assembly - 590A - Does not include Precharge Board	20-FR10823	2	1
			Input SCR Module Sub-assembly - All current ratings except 590A - Does not include Precharge Board	20-FR10823	1	1
			590A IGBT Module for One Phase	SK-H1-QOUT-D590	3	1
			650A IGBT Module for One Phase	SK-H1-QOUT-D650	3	1
			730A IGBT Module for One Phase	SK-H1-QOUT-D730	3	1
			Cables, Harnesses, and Connectors			
			Optical Fiber Set, ASIC Bd - Driver Bd	20-PP11000	1	1
			Wire Set 1	20-PP11001	1	MIS
			Wire Set 2	20-PP11002	1	MIS
			Driver Supply Wire	20-PP11003	3	MIS
			Motor Cable	20-PP11004	3	MIS
			Rectifier - DC Link Cable	20-PP11005	4	MIS
			Wire 1 (Bridge)	20-PP11006	1	MIS
			Wire 2 (Bridge)	20-PP11007	1	MIS
			Wire (Inverter)	20-PP11009	3	MIS
			AC Fans and Main Fan Circuit Components			
			60mm Internal Fan for ASIC Board	20-PP01096	1	2
			230 Watt Main Fan Assembly	20-PP01080	3	2
			Fuse Holder for Fan Inverter	20-PP20300	1	MIS
			Fuse for Fan Inverter	20-PP20202	2	1
			Output Transformer Assembly for Fan Inverter	20-FR10845	3	MIS
			Fan Capacitor Kit, 7uF, PF700H/S, F11	SK-H1-FANCAP-F11	3	2
			DC Fans and Main Fan Circuit Components			
			DC Fan Power Board	SK-H1-DCFANB01	3	1
			DC Fan Unit	SK-Y1-DCFANI	3	2
			DC Fan System Retrofit Kit	SK-H1-DCFANRETROFIT-F11	1	2

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PowerFlex 700H High Power Structures	400 / 480 VAC	12	Cables, Harnesses, and Connectors			
			Fiber Optic Cable with 24 VDC Power Signal Cable Harness for Terminals L1, L2, and L3	20-PP10032	1	1
			Motor Cable Harness for Terminal V	20-PP10002	6	MIS
			Motor Cable Harness for Terminal U	20-PP10015	4	MIS
			Motor Cable Harness for Terminal W	20-PP10016	4	MIS
			Large Wire Harness, ASIC Board to Gate Driver + Optical Fiber Set, Left	20-PP10017	4	MIS
			Optical Fiber Set, Right	20-PP10008	2	2
			Optical Fiber Set, Right	20-PP12001	1	2
			Wire, ASIC Bd to Feedback Interface Bd	20-PP12002	1	2
			AC Fans and Main Fan Circuit Components	20-PP12004	2	MIS
			60mm Internal Fan for ASIC Board	20-PP01096	2	2
			230 Watt Main Fan Assembly	20-PP01080	4	2
			Fuse Holder for Fan Inverter	20-PP20300	2	MIS
			Fuse for Fan Inverter	20-PP20202	2	1
			Output Transformer Assembly for Fan Inverter, Left	20-FR10844	4	MIS
			Output Transformer Assembly for Fan Inverter, Right	20-FR10845	2	MIS
			Fan Capacitor Kit, 7uF, PF700H/S, F10/12	SK-H1-FANCAP-F1012	4	2
			DC Fans and Main Fan Circuit Components			
			DC Fan Power Board	SK-H1-DCFANBD1	4	1
			DC Fan Unit	SK-Y1-DCFANI	4	2
			DC Fan System Retrofit Kit	SK-H1-DCFANRETROFIT-F10	2	2
			Capacitors			
			ELKO 3300uF 420 VAC Bus Capacitor	20-PP01005	24	MIS
			300nF 500 VAC Capacitor Assembly	20-PP10019	4	MIS
			Miscellaneous Hardware, Resistors, etc.			
			2 x 16k Ω Discharging Resistor	20-PP00056	8	Mis
			2 x 16k Ω Discharging Resistor - Series B Drive Only	20-PP13027	4	MIS
			2 x 16k Ω Discharging Resistor - Series B Drive Only	20-PP13028	4	mis
			PowerFlex 700H Nema 12 / IP54 Door and Roof Filter Kit 600mm	SK-H1-FLTR1-600	2	MIS
			Precharging Resistors - Series B Drive Only	20-PP00066	2	MIS
			AC Line Choke	SK-H1-CHK0520	2	MIS
			Cabinet Components			
			Door, IP 20 Rittal 600 mm	20-IP20DR-600	1	MIS
			Door, IP 20 MCC 600 mm	20-IP20MCCDR-600	1	MIS
			Door, IP54/N12, for 600mm wide PowerFlex	20-IP54DR-600	1	MIS
			Roof, IP54/N12, for 600mm wide PowerFlex	20-IP54RF-600	1	MIS
			Nema 12 / IP54 Door and Roof Filter Kit 600mm	SK-H1-FLTR1-600	1	MIS
			IP54 Paper Filter Kit, 600mm Enclosure, Door	SK-H1-PDRFLTR1-600	1	1
			IP54 Paper Filter Kit, 600mm Enclosure, Roof	SK-H1-PRFFLTR1-600	1	1
			Complete Power Structure Replacement			
			Power Structure, Fr12, 400/480V, 820A , PF700H, PF700S 1 2	SK-H1-PWRMOD-F12D	1	3
			Power Structure, Fr12, 400/480V, 920A , PF700H, PF700S 1 2	SK-H1-PWRMOD-F12D	1	3
			Power Structure, Fr12, 400/480V, 1030A , PF700H, PF700S 1 2	SK-H1-PWRMOD-F12D	1	3
			DC Bus Bar Kit for Rittal Cabinets, Frame 12	20-BUS1-F12	1	MIS
			Busbar Z Kit	SK-H1-BBARZ-F1012	1	MIS

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2- Frame 12 Power Modules and Power Structures do not come with the ASIC Board. Use existing or order replacement.

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Spare Parts Options for PowerFlex Architecture Class Low Voltage Drives Rev. V

Product	Voltage Class	Frame Size	Part Description	Catalog String	Quantity per Drive	Rec'd Level
PowerFlex 700H High Power Structures	600 / 690 VAC	9	Printed Circuit Boards			
			Precharge Board	20-VB00460	1	1
			Fan Inverter, Fr9 - 12	20-VB00299	1	1
			Power Module Sub-assemblies			
			Rectifier Module Sub-assembly without Brake IGBT ❶ - Includes Precharge Board	20-FR09823	1	1
			Rectifier Module Sub-assembly with Brake IGBT ❶ - Includes Precharge Board	20-FR09825	1	1
			170 Ampere Power Module Sub-assembly ❶	SK-H1-QOUT-EL70	1	1
			208 Ampere Power Module Sub-assembly with Copper Heatsink ❶	SK-H1-QOUT-E208	1	1
			Cables, Harnesses, and Connectors			
			Rectifying Wire for Power Card	20-PP09018	1	MIS
			Power Module Replacement Tool	20-RT-1	N/A	OPT
			Plastic Terminal Base for non-CE drive	20-PP01082	12	MIS
			Plastic Terminal Base with Filter Capacitors for standard (CE) drive	20-PP01083	12	MIS
			Fiber Optic Cable Set, Control to Driver Board	20-PP09030	1	MIS
			Control Supply Cable	20-PP09043	1	MIS
			24 VDC Power Supply Cable for Control	20-PP09026	1	MIS
			24 VDC Power Supply Cable for Control	SK-H1-CCBL-F9	1	MIS
			Fan Inverter Wire Harness for X2, X7, X8, and X9	20-PP09023	1	MIS
			AC Fans and Main Fan Circuit Components			
			80mm x 80mm x 32mm Internal Stirring Fan Assembly	20-PP01068	2	2
			230 Watt Main Fan Assembly	20-PP01080	1	2
			Fuse Holder for Fan Inverter Fuses	20-PP20300	1	MIS
			Fuse for Fan Inverter	20-PP20202	2	1
			Output Transformer for Fan Inverter	20-PP09055	1	MIS
			Cooling Fan, 50mm, for Fan Inverter	20-PP01049	1	2
			Fan Capacitor Kit, 7uF, PF700H/S, F9	SK-H1-FANCAP-F9	1	2
			Cover for Fan Inverter Compartment	20-FR09133	1	MIS
			DC Fans and Main Fan Circuit Components			
			DC Fan Power Board	SK-H1-DCFANBD1	1	1
			DC Fan Unit	SK-Y1-DCFANI	1	2
			DC Fan System Retrofit Kit	SK-H1-DCFANRETROFIT-F9	1	2
			Capacitors			
			ELKO 1800uF 550 VAC Electrolytic Capacitor kit	SK-H1-CAP1800-FF9	8	MIS
			ELKO 1800uF 550 VAC Bus Capacitor	20-PP01044	8	MIS
			Shubber, Busbar with capacitors	20-PP09028	2	MIS
			Miscellaneous Hardware, Resistors, etc.			
			2 x 16kΩ Discharging Resistor	20-PP00052	2 or 3	MIS
			Cover, Connection PF700H, PF700S, FR9	20-FR09104	1	MIS
			Cover, Conduit PF700H, PF700S, FR9	20-FR09118	1	MIS
			Cover, Power PF700H, PF700S, FR9	20-FR09119	1	MIS

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PowerFlex 700H High Power Structures	600 / 690 VAC	10	Printed Circuit Boards	Precharge Board - Series A Drive	20-VB00460	1
				Precharge Board - Series B Drive	20-VB00462	±
			Precharge Board - Series B Drive	SK-H1-PRCHRGB1-E	±	±
			Gate Driver Board	SK-H1-GDB1-F1012E	1	1
			Gate Driver Adapter Board	20-VB00330	1	MIS
			Gate Driver Board	SK-H1-GDB1-F10E	±	±
			ASIC Board, 600/690V, 261A ①	SK-H1-ASICBD-E261	1	1
			ASIC Board, 600/690V, 325A ①	SK-H1-ASICBD-E325	1	1
			ASIC Board, 600/690V, 385A ①	SK-H1-ASICBD-E385	1	1
			ASIC Board, 600/690V, 416A ①	SK-H1-ASICBD-E416	1	1
			Fan Inverter, Fr9 - 12	20-VB00299	2	1
			Power Module Sub-Assemblies			
			Input SCR Module Sub-assembly - All current ratings - Does not include Precharge Board	20-FR10823	1	1
			261A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-E261	1	1
			325A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-E325	1	1
			385A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-E416	1	1
			416A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-E416	1	1
			Cables, Harnesses, and Connectors			
			Fiber Optic Cable with 24 VDC Power Signal	20-PP10032	1	1
			Cable Harness for Terminals L1, L2, and L3	20-PP10002	3	MIS
			Motor Cable Harness for Terminal V	20-PP10015	2	MIS
			Motor Cable Harness for Terminal U	20-PP10016	2	MIS
			Motor Cable Harness for Terminal W	20-PP10017	2	MIS
			Large Wire Harness, ASIC Board to Gate Driver +	20-PP10008	1	MIS
			AC Fans and Main Fan Circuit Components			
			60mm Internal Fan for ASIC Board	20-PP01096	1	2
			230 Watt Main Fan Assembly	20-PP01080	2	2
			Fuse Holder for Fan Inverter	20-PP20300	1	MIS
			Fuse for Fan Inverter	20-PP20202	2	1
			Output Transformer Assembly for Fan Inverter, Left	20-FR10844	1	MIS
			Output Transformer Assembly for Fan Inverter, Right	20-FR10845	1	MIS
			Fan Capacitor Kit, 7uF, PF700H/S, F10/12	20-FR10845	1	MIS
			DC Fans and Main Fan Circuit Components	SK-H1-FANCAP-F1012	2	2
			DC Fan Power Board	SK-H1-DCFANBD1	2	1
			DC Fan Unit	SK-Y1-DCFANI	2	2
			DC Fan System Retrofit Kit	SK-H1-DCFANRETROFIT-F10	1	2
			Capacitors			
			ELKO 5600µF 420 VAC Bus Capacitor	20-PP01099	12	MIS
			300nF 500 VAC Capacitor Assembly	20-PP10019	2	2
			Miscellaneous Hardware, Resistors, etc.			
			2 x 16k Ω Discharging Resistor	20-PP00056	6	MIS
			2 x 16k Ω Discharging Resistor - Series B Drive Only	20-PP13028	2	MIS
			Precharging Resistors - Series B Drive Only	20-PP00066	1	MIS
			261A AC Line Choke ①	SK-H1-CHK0261	1	MIS
			325A AC Line Choke ①	SK-H1-CHK0400	1	MIS
			385A AC Line Choke ①	SK-H1-CHK0400	1	MIS
			416A AC Line Choke ①	SK-H1-CHK0400	1	MIS

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			Door, IP 20 Rittal 600 mm	20-IP20DR-600	1	MIS
			Door, IP 20 MCC 600 mm	20-IP20MCCDR-600	1	MIS
			Door, IP54/N12, for 600mm wide PowerFlex	20-IP54DR-600	1	MIS
			Roof, IP54/N12, for 600mm wide PowerFlex	20-IP54RF-600	1	MIS
			Nema 12 / IP54 Door and Roof Filter Kit 600mm	SK-H1-FLTR1-600	1	MIS
			IP54 Paper Filter Kit, 600mm Enclosure, Door	SK-H1-PDRFLT-600	1	1
			IP54 Paper Filter Kit, 600mm Enclosure, Roof	SK-H1-PRFFLTR1-600	1	1
			Complete Power Structure Replacement			
			Power Structure, Fr10, 600/690V, 261A , PF700H, PF700S	SK-H1-PWRMOD-E261	1	3
			Power Structure, Fr10, 600/690V, 325A , PF700H, PF700S	SK-H1-PWRMOD-E325	1	3
			Power Structure, Fr10, 600/690V, 385A , PF700H, PF700S	SK-H1-PWRMOD-E385	1	3
			Power Structure, Fr10, 600/690V, 416A , PF700H, PF700S	SK-H1-PWRMOD-E416	1	3
			Busbar Z Kit	SK-H1-BBARZ-F1012	1	MIS
PowerFlex 700H High Power Structures	600 / 690 VAC	11	Printed Circuit Boards			
			Precharge Board - Series A Drive	20-VB00460	2	1
			Precharge Board - Series B Drive	20-VB00462	2	1
			Gate Driver Board	SK-H1-PRCHRGB1-E	3	1
			Gate Driver Bd	SK-H1-GDB1-F11E	3	1
			ASIC Board, 600/690V, 460A	SK-H1-ASICBD-E460	1	1
			ASIC Board, 600/690V, 502A	SK-H1-ASICBD-E502	1	1
			ASIC Board, 600/690V, 590A	SK-H1-ASICBD-E590	1	1
			Fan Inverter, Fr9 - 12	20-VB00299	3	1
			Power Module Sub-Assemblies			
			Input SCR Module Sub-assembly - All current ratings - Does not include Precharge Board	20-FR10823	2	1
			460A IGBT Module for One Phase	SK-H1-QOUT-E460	3	1
			502A IGBT Module for One Phase	SK-H1-QOUT-E502	3	1
			590A IGBT Module for One Phase	SK-H1-QOUT-E590	3	1
			Cables, Harnesses, and Connectors			
			Optical Fiber Set, ASIC Bd - Driver Bd	20-PP11000	1	1
			Wire Set 1	20-PP11001	1	MIS
			Wire Set 2	20-PP11002	1	MIS
			Driver Supply Wire	20-PP11003	3	MIS
			Motor Cable	20-PP11004	3	MIS
			Rectifier - DC Link Cable	20-PP11005	4	MIS
			Wire 1 (Bridge)	20-PP11006	1	MIS
			Wire 2 (Bridge)	20-PP11007	1	MIS
			Wire (Inverter)	20-PP11009	3	MIS
			AC Fans and Main Fan Circuit Components			
			60mm Internal Fan for ASIC Board	20-PP01096	1	2
			230 Watt Main Fan Assembly	20-PP01080	3	2
			Fuse Holder for Fan Inverter	20-PP20300	1	MIS
			Fuse for Fan Inverter	20-PP20202	2	1
			Output Transformer Assembly for Fan Inverter	20-FR10845	3	MIS
			Fan Capacitor Kit, 7uF, PF700H/S, F11	SK-H1-FANCAP-F11	3	2
			DC Fans and Main Fan Circuit Components			
			DC Fan Power Board	SK-H1-DCFANB01	3	1
			DC Fan Unit	SK-Y1-DCFANI	3	2
			DC Fan System Retrofit Kit	SK-H1-DCFANRETROFIT-F11	1	2
			Capacitors			
			ELKO 5600µF 420 VAC Bus Capacitor	20-PP01099	18	MIS
			300nF 500 VAC Capacitor Assembly	20-PP10019	3	MIS

1- Check original drive configuration or rating to select correct part

The "Recommended (Rec'd) Level" column is defined as:

Spare Parts Options for PowerFlex Architecture Class Low Voltage Drives Rev. V

Product	Voltage Class	Frame Size	Part Description	Catalog String	Quantity per Drive	Rec'd Level
PowerFlex 700H High Power Structures	600 / 690 VAC	12	Cables, Harnesses, and Connectors			
			Fiber Optic Cable with 24 VDC Power Signal Cable Harness for Terminals L1, L2, and L3	20-PP10032	1	1
			Motor Cable Harness for Terminal V	20-PP10002	6	MIS
			Motor Cable Harness for Terminal U	20-PP10015	4	MIS
			Motor Cable Harness for Terminal W	20-PP10016	4	MIS
			Large Wire Harness, ASIC Board to Gate Driver + Optical Fiber Set, Left	20-PP10017	4	MIS
			Optical Fiber Set, Right	20-PP10008	2	2
			Wire, ASIC Bd to Feedback Interface Bd	20-PP12001	1	2
			AC Fans and Main Fan Circuit Components	20-PP12002	1	2
			60mm Internal Fan for ASIC Board	20-PP12004	2	MIS
			230 Watt Main Fan Assembly	20-PP01096	2	2
			Fuse Holder for Fan Inverter	20-PP01080	4	2
			Fuse for Fan Inverter	20-PP20300	2	MIS
			Output Transformer Assembly for Fan Inverter, Left	20-PP20202	4	1
			Output Transformer Assembly for Fan Inverter, Right	20-FR10844	2	MIS
			Fan Capacitor Kit, 7uF, PF700H/S, F10/12	20-FR10845	2	MIS
			DC Fans and Main Fan Circuit Components	SK-H1-FANCAP-F1012	4	2
			DC Fan Power Board	SK-H1-DCFANBD1	4	1
			DC Fan Unit	SK-Y1-DCFANI	4	2
			DC Fan System Retrofit Kit	SK-H1-DCFANRETROFIT-F10	2	2
			Capacitors			
			ELKO 5600uF 420 VAC Bus Capacitor	20-PP01099	24	MIS
			300nF 500 VAC Capacitor Assembly	20-PP10019	4	MIS
			Miscellaneous Hardware, Resistors, etc.			
			2 x 16k Ω Discharging Resistor	20-PP00056	12	Mis
			2 x 16k Ω Discharging Resistor - Series B Drive Only	20-PP13028	4	MIS
			Precharging Resistors - Series B Drive Only	20-PP00066	2	MIS
			AC Line Choke	SK-H1-CHK0400	2	MIS
			Cabinet Components			
			Door, IP 20 Rittal 600 mm	20-IP20DR-600	1	MIS
			Door, IP 20 MCC 600 mm	20-IP20MCCDR-600	1	MIS
			Door, IP54/N12, for 600mm wide PowerFlex	20-IP54DR-600	1	MIS
			Roof, IP54/N12, for 600mm wide PowerFlex	20-IP54RF-600	1	MIS
			Nema 12 / IP54 Door and Roof Filter Kit 600mm	SK-H1-FLTR1-600	1	MIS
			IP54 Paper Filter Kit, 600mm Enclosure, Door	SK-H1-PDRFLTR1-600	1	1
			IP54 Paper Filter Kit, 600mm Enclosure, Roof	SK-H1-PRFFLTR1-600	1	1
			Complete Power Structure Replacement			
			Power Structure, Fr12, 600/690V, 650A , PF700H, PF700S 1 2	SK-H1-PWRMOD-F12E	1	3
			Power Structure, Fr12, 600/690V, 750A , PF700H, PF700S 1 2	SK-H1-PWRMOD-F12E	1	3
			Power Structure, Fr12, 600/690V, 820A , PF700H, PF700S 1 2	SK-H1-PWRMOD-F12E	1	3
			DC Bus Bar Kit for Rittal Cabinets, Frame 12	20-BUS1-F12	1	MIS
			Busbar Z Kit	SK-H1-BBARZ-F1012	1	MIS

1 - Check original drive configuration or rating to select correct part

2 - Frame 12 Power Modules and Power Structures do not come with the ASIC Board. Use existing or order replacement.

The **"Recommended (Rec'd) Level"** column is defined as:

OPT - Option that may or may not be part of customer's drive. Recommended for stocking if critical to application.

MIS - Miscellaneous Hardware and Cables

Level 1 - Printed circuit boards and other components that are recommended for stocking

Level 2 - Fans and spare part kits available for stocking

Level 3 - Complete power structure replacement kit

Spare Parts Options for PowerFlex Architecture Class Low Voltage Drives Rev. V

Product	Voltage Class	Frame Size	Part Description	Catalog String	Quantity per Drive	Rec'd Level	
PowerFlex 700S Frames 9 through 13 High Power Structures	All	All	HIM Bezel with Blank Label	SK-H9-BZL1	1	MIS	
	All	9-11, 13 All	DPL Interface Board	20-VB00601	1	1	
			Maintenance Stand, Fr10 and up (Rittal Enclosures)	20-MAINSTND	N/A	OPT	
	All	All	Fiber Optic Adapter Board	SK-H1-FOABD1	1	1	
			PF700H/S, F9-14, ASIC-Board, Metal Cover, NOT AVAILABLE	SK-H1-ASICBDCVR1	1	1	
	400 / 480 VAC	9	Printed Circuit Boards				
			Precharge Board	20-VB00459	1	1	
			Fan Inverter, FR9 - 12	20-VB00299	1	1	
			Voltage Feedback Board Kit 400/480V	SK-H1-SVFB2-D1	1	1	
			Interface Board Kit	SK-H1-SINFBI-A0	1	1	
			Power Module Sub-assemblies				
			Rectifier Module Sub-assembly without Brake IGBT 1 - Includes Precharge Board	20-FR09822	1	1	
			Rectifier Module Sub-assembly with Brake IGBT 1 - Includes Precharge Board	20-FR09824	1	1	
261 Ampere Power Module Sub-assembly 1			SK-H1-QOUT-D261	1	1		
300 Ampere Power Module Sub-assembly with Copper Heatsink 1			SK-H1-QOUT-D300	1	1		
Cables, Harnesses, and Connectors							
Rectifying Wire for Power Card			20-PP09018	1	MIS		
Power Module Replacement Tool			20-RT-1	N/A	OPT		
Plastic Terminal Base for non-CE drive	20-PP01082	12	MIS				
Plastic Terminal Base with Filter Capacitors for standard (CE) drive	20-PP01083	12	MIS				
Power Cable Connectors	20-PP01065	1	MIS				
Fiber Optic Cable Set, Control to Driver Board	20-PP60010	1	MIS				
Control Supply Cable	20-PP09043	1	MIS				
24 VDC Power Supply Cable for Control	20-PP99926	1	MIS				
24 VDC Power Supply Cable for Control	SK-H1-CCBL-F9	1	MIS				
Fan Inverter Wire Harness for X2, X7, X8, and X9	20-PP09023	1	MIS				
Voltage Measurement Cable Set	20D-PP09031	1	MIS				
AC Fans and Main Fan Circuit Components							
80mm x 80mm x 32mm Internal Stirring Fan Assembly	20-PP01068	2	2				
230 Watt Main Fan Assembly	20-PP01080	1	2				
Fuse Holder for Fan Inverter Fuses	20-PP20300	1	MIS				
Fuse for Fan Inverter	20-PP20202	2	1				
Output Transformer for Fan Inverter	20-PP09055	1	MIS				
Cooling Fan, 50mm, for Fan Inverter	20-PP01049	1	2				
Fan Capacitor Kit, 7uF, PF700H/S, F9	SK-H1-FANCAP-F9	1	2				
Cover for Fan Inverter Compartment	20-FR09133	1	MIS				
DC Fans and Main Fan Circuit Components							
DC Fan Unit	SK-Y1-DCFANI	1	2				
DC Fan Power Board	SK-H1-DCFANBD1	1	1				
DC Fan System Retrofit Kit	SK-H1-DCFANRETROFIT-F9	1	2				
Capacitors							
ELKO 3300uF 420 VAC Bus Capacitor	20-PP01005	8	MIS				
Snubber, Busbar with capacitors	20-PP09028	2	MIS				
Miscellaneous Hardware, Resistors, etc.							
2 x 16k Ω Discharging Resistor	20-PP00052	2 or 3	MIS				
MOV Assembly	SK-G9-MOVI-F6	1	1				
Cover, Connection PF700H, PF700S, FR9	20-FR09104	1	MIS				
Cover, Conduit PF700H, PF700S, FR9	20-FR09118	1	MIS				
Cover, Power PF700H, PF700S, FR9	20-FR09119	1	MIS				

1 - Check original drive configuration or rating to select correct part

The "**Recommended (Rec'd) Level**" column is defined as:

OPT - Option that may or may not be part of customer's drive. Recommended for stocking if critical to application.

MIS - Miscellaneous Hardware and Cables

Level 1 - Printed circuit boards and other components that are recommended for stocking

Level 2 - Fans and spare part kits available for stocking

Level 3 - Complete power structure replacement kit

Spare Parts Options for PowerFlex Architecture Class Low Voltage Drives Rev. V

Product	Voltage Class	Frame Size	Part Description	Catalog String	Quantity per Drive	Rec'd Level
PowerFlex 700S	400 / 480 VAC	10	Printed Circuit Boards			
			Precharge Board Series A Drive	20-VB00459	1	1
			Precharge Board Series B Drive	20-VB00464	±	±
			Gate Driver Adapter Board	20-VB00330	1	MIS
			Gate Driver Board	SK-H1-GDB1-F109	±	±
			ASIC Board, 400/480V, 385A ①	SK-H1-ASICBD-D385	1	1
			ASIC Board, 400/480V, 460A ①	SK-H1-ASICBD-D460	1	1
			ASIC Board, 400/480V, 500A ①	SK-H1-ASICBD-D500	1	1
			Fan Inverter, Fr9 - 12	20-VB00299	2	1
			Voltage Feedback Board Kit 400/480V	SK-H1-SVFB2-D1	1	1
			Interface Board Kit	SK-H1-SINFB1-A0	1	1
			Precharge Board - Series B Drive	SK-H1-PRECHRGB1-D	1	1
			Gate Driver Board	SK-H1-GDB1-F1012D	1	1
			Power Module Sub-Assemblies			
			Input SCR Module Sub-assembly - All current ratings - Does not include Precharge Board	20-FR10823	1	1
			385A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-D385	1	1
			460A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-D460	1	1
			500A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-D500	1	1
			Cables, Harnesses, and Connectors			
			Fiber Optic Cable with 24 VDC Power Signal	20-PP10032	1	1
			Cable Harness for Terminals L1, L2, and L3	20-PP10002	3	MIS
			Motor Cable Harness for Terminal V	20-PP10015	2	MIS
			Motor Cable Harness for Terminal U	20-PP10016	2	MIS
			Motor Cable Harness for Terminal W	20-PP10017	2	MIS
			Large Wire Harness, ASIC Board to Gate Driver +	20-PP10008	1	MIS
			Wire Modification Kit for ASIC Bd. ②	20-PP10023	1	MIS
			Voltage Measurement Wire Kit	20D-PP10031	1	MIS
			AC Fans and Main Fan Circuit Components			
			60mm Internal Fan for ASIC Board	20-PP01096	1	2
			230 Watt Main Fan Assembly	20-PP01080	2	2
			Fuse Holder for Fan Inverter	20-PP20300	1	MIS
			Fuse for Fan Inverter	20-PP20202	2	1
			Output Transformer Assembly for Fan Inverter, Left	20-FR10844	1	MIS
			Output Transformer Assembly for Fan Inverter, Right	20-FR10845	1	MIS
			Fan Capacitor Kit, 7uF, PF700H/S, F10/12	SK-H1-FANCAP-F1012	2	2
			DC Fans and Main Fan Circuit Components			
			DC Fan Unit	SK-Y1-DCFANI	2	2
			DC Fan Power Board	SK-H1-DCFANBD1	2	1
			DC Fan System Retrofit Kit	SK-H1-DCFANRETROFIT-F10	1	2
			Capacitors			
			ELKO 3300uF 420 VAC Bus Capacitor	20-PP01005	12	MIS
			300nF 500 VAC Capacitor Assembly	20-PP10019	2	2
			Miscellaneous Hardware, Resistors, etc.			
			2 x 16k Ω Discharging Resistor	20-PP00056	4	MIS
			2 x 16k Ω Discharging Resistor - Series B Drive Only	20-PP13027	2	MIS
			2 x 16k Ω Discharging Resistor - Series B Drive Only	20-PP13028	2	MIS
			ASIC Assembly Kit ②	20-FR10850	1	2
			PowerFlex 700S Frame 10 - 13 EMI Shield Kit	SK-H1-SEMIPLT1	1	MIS
			PowerFlex 700S Frame 10 - 13 EMI 24V Filter - Cable, filter bd, and common mode choke	SK-H1-SEMIPLTR1	1	MIS
			Precharging Resistors - Series B Drive Only	20-PP00066	1	MIS
			AC Line Choke	SK-H1-CHK0520	1	MIS

① - Check original drive configuration or rating to select correct part

② - These parts are needed when replacing an ASIC board if the old board is revision E or earlier

OPT - Option that may or may not be part of customer's drive. Recommended for stocking if critical to application.

MIS - Miscellaneous Hardware and Cables

Level 1 - Printed circuit boards and other components that are recommended for stocking

Level 2 - Fans and spare part kits available for stocking

Level 3 - Complete power structure replacement kit

Spare Parts Options for PowerFlex Architecture Class Low Voltage Drives Rev. V

Product	Voltage Class	Frame Size	Cabinet Components	Part Description	Catalog String	Quantity per Drive	Rec'd Level
PowerFlex 700S	400 / 480 VAC	10	Door, IP 20 Rittal 600 mm Door, IP 20 MCC 600 mm Door, IP54/N12, for 600mm wide PowerFlex Roof, IP54/N12, for 600mm wide PowerFlex Nema 12 / IP54 Door and Roof Filter Kit 600mm IP54 Paper Filter Kit, 600mm Enclosure, Door IP54 Paper Filter Kit, 600mm Enclosure, Roof				
			Complete Power Structure Replacement Power Structure, Fr10, 400/480V, 385A , PF700H, PF700S Power Structure, Fr10, 400/480V, 460A , PF700H, PF700S Power Structure, Fr10, 400/480V, 500A , PF700H, PF700S Busbar Z Kit				
	400 / 480 VAC	11	Printed Circuit Boards Precharge Board Series A Drive Precharge Board Series B Drive Gate Driver Bd Precharge Board - Series B Drive Gate Driver Board ASIC Board, 400/480V, 590A ASIC Board, 400/480V, 650A ASIC Board, 400/480V, 730A Fan Inverter, Fr9 - 12 Voltage Feedback Board Kit 400/480V Interface Board Kit				
			Power Module Sub-Assemblies Input SCR Module Sub-assembly - All current ratings - Does not include Precharge Board 590A IGBT Module for One Phase 650A IGBT Module for One Phase 730A IGBT Module for One Phase Cables, Harnesses, and Connectors Optical Fiber Set, ASIC Bd - Driver Bd Wire Set 1 Wire Set 2 Driver Supply Wire Motor Cable Rectifier - DC Link Cable Wire 1 (Bridge) Wire 2 (Bridge) Wire (Inverter)				
			AC Fans and Main Fan Circuit Components 60mm Internal Fan for ASIC Board 230 Watt Main Fan Assembly Fuse Holder for Fan Inverter Fuse for Fan Inverter Output Transformer Assembly for Fan Inverter Fan Capacitor Kit, 7uF, PF700H/S, F11				
			DC Fans and Main Fan Circuit Components DC Fan Unit DC Fan Power Board DC Fan System Retrofit Kit				
			Check original drive configuration or rating to select correct iDC Fan Power Board The "Recommended (Rec'd) Level" column is defined as: OPT - Option that may or may not be part of customer's drive. Recommended for stocking if critical to application. MIS - Miscellaneous Hardware and Cables Level 1 - Printed circuit boards and other components that are recommended for stocking Level 2 - Fans and spare part kits available for stocking Level 3 - Complete power structure replacement kit				

Spare Parts Options for PowerFlex Architecture Class Low Voltage Drives Rev. V

Product: PowerFlex 700S Voltage Class: 400 / 480 VAC Frame Size: 12 Part Description Catalog String Quantity per Drive Rec'd Level

Printed Circuit Boards

Precharge Board - **Series A Drive**

~~Precharge Board - **Series B Drive**~~

Gate Driver Adapter Board

~~Gate Driver Board -~~

Precharge Board - **Series B Drive**

Gate Driver Board

ASIC Board, 400/480V, **820A ①**

ASIC Board, 400/480V, **920A ①**

ASIC Board, 400/480V, **1030A ①**

Fan Inverter, Fr9-Fr12

Voltage Feedback Board Kit 400/480V

FR 12 Star Interface PCB kit **820A** 400/480V 700S Phase II

FR 12 Star Interface PCB kit **920A** 400/480V 700S Phase II

FR 12 Star Interface PCB kit **1030A** 400/480V 700S Phase II

Power Module Sub-Assemblies

Input SCR Module Sub-assembly - **All current ratings** - Does not include Precharge Board

820A IGBT Modules for Frame 12 Drive 400/480V **②**

920A IGBT Modules for Frame 12 Drive 400/480V **②**

1030A IGBT Modules for Frame 12 Drive 400/480V **②**

Cables, Harnesses, and Connectors

Fiber Optic Cable with 24 VDC Power Signal

Cable Harness for Terminals **L1, L2, and L3**

Motor Cable Harness for Terminal **V**

Motor Cable Harness for Terminal **U**

Motor Cable Harness for Terminal **W**

Large Wire Harness, ASIC Board to Gate Driver +

Optical Fiber Set, Left

Optical Fiber Set, Right

Wire, ASIC Bd to Feedback Interface Bd

AC Fans and Main Fan Circuit Components

60mm Internal Fan for ASIC Board

230 Watt Main Fan Assembly

Fuse Holder for Fan Inverter

Fuse for Fan Inverter

Output Transformer Assembly for Fan Inverter, Left

Output Transformer Assembly for Fan Inverter, Right

Fan Capacitor Kit, 7uF, PF700H/S, F10/12

DC Fans and Main Fan Circuit Components

DC Fan Unit

DC Fan Power Board

DC Fan System Retrofit Kit

Capacitors

ELKO 3300uF 420 VAC Bus Capacitor

300nF 500 VAC Capacitor Assembly

Miscellaneous Hardware, Resistors, etc.

2 x 16k Ω Discharging Resistor

2 x 16k Ω Discharging Resistor - **Series B Drive Only**

2 x 16k Ω Discharging Resistor - **Series B Drive Only**

PowerFlex 700S Frame 10 - 13 EMI Shield Kit

PowerFlex 700S Frame 10 - 13 EMI 24V Filter - Cable, filter bd, and common mode choke

Precharging Resistors - **Series B Drive Only**

AC Line Choke

① - Check original drive configuration or rating to select correct precharge board, and common mode choke

② - Frame 12 Power Modules and Power Structures do not come with AC Line Choke

The "Recommended (Rec'd) Level" column is defined as:

OPT - Option that may or may not be part of customer's drive. Recommended for stocking if critical to application.

MIS - Miscellaneous Hardware and Cables

Level 1 - Printed circuit boards and other components that are recommended for stocking

Level 2 - Fans and spare part kits available for stocking

Level 3 - Complete power structure replacement kit

20-VB00459					1
20-VB00461					①
20-VB00330					MIS
SK-H1-GDB1-F109					①
SK-H1-PRECHRGB1-D					1
SK-H1-GDB1-F1012D					1
SK-H1-ASICBD-D820					1
SK-H1-ASICBD-D920					1
SK-H1-ASICBD-D1030					1
20-VB00299					4
SK-H1-SVFB2-D1					1
SK-H1-SSTAR1-D820					1
SK-H1-SSTAR1-D920					1
SK-H1-SSTAR1-D1K0					1
20-FR10823					1
SK-H1-QOUT-D1K0					1
SK-H1-QOUT-D1K0					1
SK-H1-QOUT-D1K0					1
20-PP10032					1
20-PP10002					6
20-PP10015					MIS
20-PP10016					MIS
20-PP10017					MIS
20-PP10008					2
20-PP12001					1
20-PP12002					1
20-PP12004					2
20-PP01096					2
20-PP01080					2
20-PP20300					MIS
20-PP20202					1
20-FR10844					MIS
20-FR10845					MIS
SK-H1-FANCAP-F1012					2
SK-Y1-DCFANI					4
SK-H1-DCFANBD1					4
SK-H1-DCFANRETROFIT-F10					2
20-PP01005					24
20-PP10019					MIS
20-PP00056					Mis
20-PP13027					MIS
20-PP13028					MIS
SK-H1-SEMIPLT1					MIS
SK-H1-SEMIPLTR1					MIS
20-PP00066					2
SK-H1-CHK0520					MIS

Spare Parts Options for PowerFlex Architecture Class Low Voltage Drives Rev. V

Product	Voltage Class	Frame Size	Part Description	Catalog String	Quantity per Drive	Rec'd Level
PowerFlex 700S	600 / 690 VAC	10				

Printed Circuit Boards

Precharge Board	20-VB00460	1				
Precharge Board - Series B Drive	20-VB00462	±				
Gate Driver Adapter Board	20-VB00330	1				MIS
Gate Driver Board	SK-H1-GDB1-F10E	±				
Precharge Board - Series B Drive	SK-H1-PRCHRGB1-E	1				
Gate Driver Board	SK-H1-GDB1-F1012E	1				
ASIC Board, 600/690V, 261A ①	SK-H1-ASICBD-E261	1				
ASIC Board, 600/690V, 325A ①	SK-H1-ASICBD-E325	1				
ASIC Board, 600/690V, 385A ①	SK-H1-ASICBD-E385	1				
ASIC Board, 600/690V, 416A ①	SK-H1-ASICBD-E416	1				
Fan Inverter, Fr9 - 12	20-VB00299	2				
Voltage Feedback Board Kit 600/690V	SK-H1-SVFB2-E1	1				
Interface Board Kit	SK-H1-SINFB1-A0	1				

Power Module Sub-Assemblies

Input SCR Module Sub-assembly - All current ratings - Does not include Precharge Board	20-FR10823	1				
261A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-E261	1				
325A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-E325	1				
385A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-E416	1				
416A IGBT Module for Left-side and Right-side of Drive ①	SK-H1-QOUT-E416	1				

Cables, Harnesses, and Connectors

Fiber Optic Cable with 24 VDC Power Signal	20-PP10032	1				
Cable Harness for Terminals L1, L2, and L3	20-PP10002	3				MIS
Motor Cable Harness for Terminal V	20-PP10015	2				MIS
Motor Cable Harness for Terminal U	20-PP10016	2				MIS
Motor Cable Harness for Terminal W	20-PP10017	2				MIS
Large Wire Harness, ASIC Board to Gate Driver + Voltage Measurement Wire Kit	20-PP10008	1				MIS
Voltage Measurement Wire Kit	20D-PP10031	1				MIS

AC Fans and Main Fan Circuit Components

60mm Internal Fan for ASIC Board	20-PP01096	1				2
230 Watt Main Fan Assembly	20-PP01080	2				2
Fuse Holder for Fan Inverter	20-PP20300	1				MIS
Fuse for Fan Inverter	20-PP20202	2				1
Output Transformer Assembly for Fan Inverter, Left	20-PP20202	1				MIS
Output Transformer Assembly for Fan Inverter, Right	20-FR10844	1				MIS
Fan Capacitor Kit, 7uF, PF700H/S, F10/12	20-FR10845	1				MIS

DC Fans and Main Fan Circuit Components

DC Fan Unit	SK-H1-FANCAP-F1012	2				2
DC Fan Power Board	SK-Y1-DCFANI	2				2
DC Fan System Retrofit Kit	SK-H1-DCFANBD1	2				1
	SK-H1-DCFANRETROFIT-F10	1				2

Capacitors

ELKO 5600uF 420 VAC Bus Capacitor	20-PP01099	12				MIS
300nF 500 VAC Capacitor Assembly	20-PP10019	2				2

Miscellaneous Hardware, Resistors, etc.

2 x 16k Ω Discharging Resistor	20-PP00056	6				MIS
2 x 16k Ω Discharging Resistor - Series B Drive Only	20-PP13028	2				MIS
Precharging Resistors - Series B Drive Only	20-PP00066	1				MIS
PowerFlex 700S Frame 10 - 13 EMI Shield Kit	SK-H1-SEMIPLT1	1				MIS
PowerFlex 700S Frame 10 - 13 EMI 24V Filter - Cable, filter bd, and common mode choke	SK-H1-SEMIPLTR1	1				MIS
261A AC Line Choke ①	SK-H1-CHK0261	1				MIS
325A AC Line Choke ①	SK-H1-CHK0400	1				MIS
385A AC Line Choke ①	SK-H1-CHK0400	1				MIS
416A AC Line Choke ①	SK-H1-CHK0400	1				MIS

- ① - Check original drive configuration or rating to select correct part.
- ② - These parts are needed when replacing an ASIC board if the "Recommended (Rec'd) Level" column is defined as:

OPT - Option that may or may not be part of customer's drive. Recommended for stocking if critical to application.

MIS - Miscellaneous Hardware and Cables

Level 1 - Printed circuit boards and other components that are recommended for stocking

Level 2 - Fans and spare part kits available for stocking

Level 3 - Complete power structure replacement kit

Spare Parts Options for PowerFlex Architecture Class Low Voltage Drives Rev. V

Product	Voltage Class	Frame Size	Part Description	Catalog String	Quantity per Drive	Rec'd Level
PowerFlex 700S	600 / 690 VAC	10				
			Cabinet Components			
			Door, IP 20 Rittal 600 mm	20-IP20DR-600	1	MIS
			Door, IP 20 MCC 600 mm	20-IP20MCCDR-600	1	MIS
			Door, IP54/N12, for 600mm wide PowerFlex	20-IP54DR-600	1	MIS
			Roof, IP54/N12, for 600mm wide PowerFlex	20-IP54RF-600	1	MIS
			Nema 12 / IP54 Door and Roof Filter Kit 600mm	SK-H1-FLTR1-600	1	MIS
			IP54 Paper Filter Kit, 600mm Enclosure, Door	SK-H1-PDRFLTR1-600	1	1
			IP54 Paper Filter Kit, 600mm Enclosure, Roof	SK-H1-PRFFLTR1-600	1	1
			Complete Power Structure Replacement			
			Power Structure, Fr10, 600/690V, 261A , PF700H, PF700S	SK-H1-PWRMOD-E261	1	3
			Power Structure, Fr10, 600/690V, 325A , PF700H, PF700S	SK-H1-PWRMOD-E325	1	3
			Power Structure, Fr10, 600/690V, 385A , PF700H, PF700S	SK-H1-PWRMOD-E385	1	3
			Power Structure, Fr10, 600/690V, 416A , PF700H, PF700S	SK-H1-PWRMOD-E416	1	3
PowerFlex 700S	600 / 690 VAC	11	Busbar Z Kit	SK-H1-BBARZ-F1012	1	MIS
			Printed Circuit Boards			
			Precharge Board	20-VB00460	2	1
			Precharge Board - Series B Drive	20-VB00462	2	1
			Gate Driver Bd	SK-H1-GDB1-F11E	2	1
			Precharge Board - Series B Drive	SK-H1-PRCHRGB1-E	2	1
			Gate Driver Board	SK-H1-GDB1-F11E	2	1
			ASIC Board, 600/690V, 460A	SK-H1-ASICBD-E460	1	1
			ASIC Board, 600/690V, 502A	SK-H1-ASICBD-E502	1	1
			ASIC Board, 600/690V, 590A	SK-H1-ASICBD-E590	1	1
			Fan Inverter, Fr9 - 12	20-VB00299	3	1
			Voltage Feedback Board Kit 600/690V	SK-H1-SVFB2-E1	1	1
			Interface Board Kit	SK-H1-SINFB1-A0	1	1
			Power Module Sub-Assemblies			
			Input SCR Module Sub-assembly - 590A - Does not include Precharge Board	20-FR10823	2	1
			Input SCR Module Sub-assembly - 590A - Does not include Precharge Board	20-FR10823	1	1
			Input SCR Module Sub-assembly - All current ratings except 590A - Does not include Precharge Board	20-FR10823	1	1
			460A IGBT Module for One Phase	SK-H1-QOUT-E460	3	1
			502A IGBT Module for One Phase	SK-H1-QOUT-E502	3	1
			590A IGBT Module for One Phase	SK-H1-QOUT-E590	3	1
			Cables, Harnesses, and Connectors			
			Optical Fiber Set, ASIC Bd - Driver Bd	20-PP11000	1	1
			Wire Set 1	20-PP11001	1	MIS
			Wire Set 2	20-PP11002	1	MIS
			Driver Supply Wire	20-PP11003	3	MIS
			Motor Cable	20-PP11004	3	MIS
			Rectifier - DC Link Cable	20-PP11005	4	MIS
			Wire 1 (Bridge)	20-PP11006	1	MIS
			Wire 2 (Bridge)	20-PP11007	1	MIS
			Wire (Inverter)	20-PP11009	3	MIS
			AC Fans and Main Fan Circuit Components			
			60mm Internal Fan for ASIC Board	20-PP01096	1	2
			230 Watt Main Fan Assembly	20-PP01080	3	2
			Fuse Holder for Fan Inverter	20-PP20300	2	MIS
			Fuse for Fan Inverter	20-PP20202	1	1
			Output Transformer Assembly for Fan Inverter	20-FR10845	3	MIS
			Fan Capacitor Kit, 7uF, PF700H/S, F11	SK-H1-FANCAP-F11	3	2
			DC Fans and Main Fan Circuit Components			
			DC Fan Unit	SK-Y1-DCFANI	3	2
			DC Fan Power Board	SK-H1-DCFANBD1	3	1
			DC Fan System Retrofit Kit	SK-H1-DCFANRETROFIT-F11	1	2

1 - Check original drive configuration or rating to select correct DC Fans and Main Fan Circuit Components
 2 - These parts are needed when replacing an ASIC board if the DC Fan Unit
 The "Recommended (Rec'd) Level" column is defined as:
 OPT - Option that may or may not be part of customer's drive.
 MIS - Miscellaneous Hardware and Cables
 Level 1 - Printed circuit boards and other components that are recommended for stocking
 Level 2 - Fans and spare part kits available for stocking

Spare Parts Options for PowerFlex Architecture Class Low Voltage Drives Rev. V

Product: PowerFlex 700S Voltage Class: 600 / 690 VAC Frame Size: 12 Part Description: Catalog String Quantity per Drive Rec'd Level

Printed Circuit Boards

Precharge Board	20-VB00460	1	1
Precharge Board - Series B Drive	20-VB00462	±	±
Gate Driver Adapter Board	20-VB00330	2	MIS
Gate Driver Board	SK-H1-GDB1-F10E	±	±
Precharge Board - Series B Drive	SK-H1-PRCHRGB1-E	2	1
Gate Driver Board	SK-H1-GDB1-F1012E	2	1
ASIC Board, 600/690V, 650A ①	SK-H1-ASICBD-E650	2	1
ASIC Board, 600/690V, 750A ①	SK-H1-ASICBD-E750	2	1
ASIC Board, 600/690V, 820A ①	SK-H1-ASICBD-E820	2	1
Fan Inverter, Fr9-Fr12	20-VB00299	4	1
Voltage Feedback Board Kit 600/690V	SK-H1-SVFB2-E1	1	1
FR 12 Star Interface PCB kit 650A 600/690V 700S Phase II ①	SK-H1-SSTAR1-E650	1	1
FR 12 Star Interface PCB kit 750A 600/690V 700S Phase II ①	SK-H1-SSTAR1-E750	1	1
FR 12 Star Interface PCB kit 820A 600/690V 700S Phase II ①	SK-H1-SSTAR1-E820	1	1

Power Module Sub-Assemblies

Input SCR Module Sub-assembly - All current ratings - Does not include Precharge Board
 650A IGBT Modules for Frame 12 Drive 600/690V ②
 750A IGBT Modules for Frame 12 Drive 600/690V ②
 820A IGBT Modules for Frame 12 Drive 600/690V ②

Cables, Harnesses, and Connectors

Fiber Optic Cable with 24 VDC Power Signal
 Cable Harness for Terminals L1, L2, and L3
 Motor Cable Harness for Terminal V
 Motor Cable Harness for Terminal U
 Motor Cable Harness for Terminal W
 Large Wire Harness, ASIC Board to Gate Driver +
 Optical Fiber Set, Left
 Optical Fiber Set, Right
 Wire, ASIC Bd to Feedback Interface Bd

AC Fans and Main Fan Circuit Components

60mm Internal Fan for ASIC Board
 230 Watt Main Fan Assembly
 Fuse Holder for Fan Inverter
 Fuse for Fan Inverter
 Output Transformer Assembly for Fan Inverter, Left
 Output Transformer Assembly for Fan Inverter, Right
 Fan Capacitor Kit, 7uF, PF700H/S, F10/12

DC Fans and Main Fan Circuit Components

DC Fan Unit	SK-Y1-DCFANI	4	2
DC Fan Power Board	SK-H1-DCFANBD1	4	1
DC Fan System Retrofit Kit	SK-H1-DCFANRETROFIT-F10	2	2

Capacitors

ELKO 5600uF 420 VAC Bus Capacitor
 300nF 500 VAC Capacitor Assembly

Miscellaneous Hardware, Resistors, etc.

2 x 16k Ω Discharging Resistor
 2 x 16k Ω Discharging Resistor - Series B Drive Only
 Precharging Resistors - Series B Drive Only
 Precharge Kit PowerFlex 700S Frame 10 - 13 EMI Shield Kit

① - Check original drive configuration or rating to select correct PowerFlex 700S Frame 10 - 13 EMI Filter - Cable, filter bd, and common mode choke
 ② - Frame 12 Power Modules and Power Structures do not come with PowerFlex 700S Frame 10 - 13 EMI 24V Filter - Cable, filter bd, and common mode choke

The "Recommended (Rec'd) Level" column is defined as: AC Line Choke

OPT - Option that may or may not be part of customer's drive. Recommended for stocking if critical to application.

MIS - Miscellaneous Hardware and Cables

Level 1 - Printed circuit boards and other components that are recommended for stocking

Level 2 - Fans and spare part kits available for stocking

Level 3 - Complete power structure replacement kit