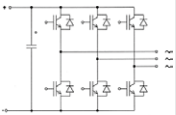
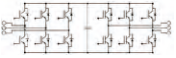
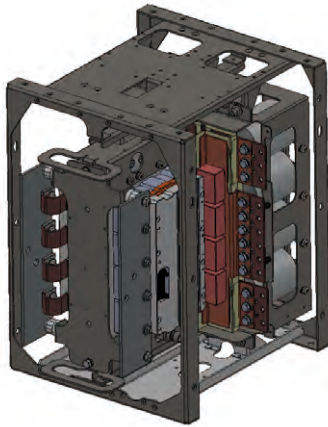


Solutions - SKiiPRACK

Type	V _{AC} V	V _{DC} V	Current A	Component Family	Cooling	Output frequency Hz	Iso- lated	Circuit
Three-phase inverter								
SKS C 120 GD 69/11 - A2A WA B1B	690	1100	1200	SKiiP3	Water/ Glycol	50/60	yes	
Four-quadrant converter								
SKS C 120 GDD 69/11 - A3A WA B1B	690	1100	1200	SKiiP3	Water/ Glycol	50/60	yes	

Cases

SKiiPRACK basic stack element, the CELL



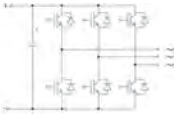

Construction:

- SKS C 120 GD 69/11 – A2A WA B1B: 2 CELLS
- SKS C 120 GDD 69/11 – A3A WA B1B: 3 CELLS

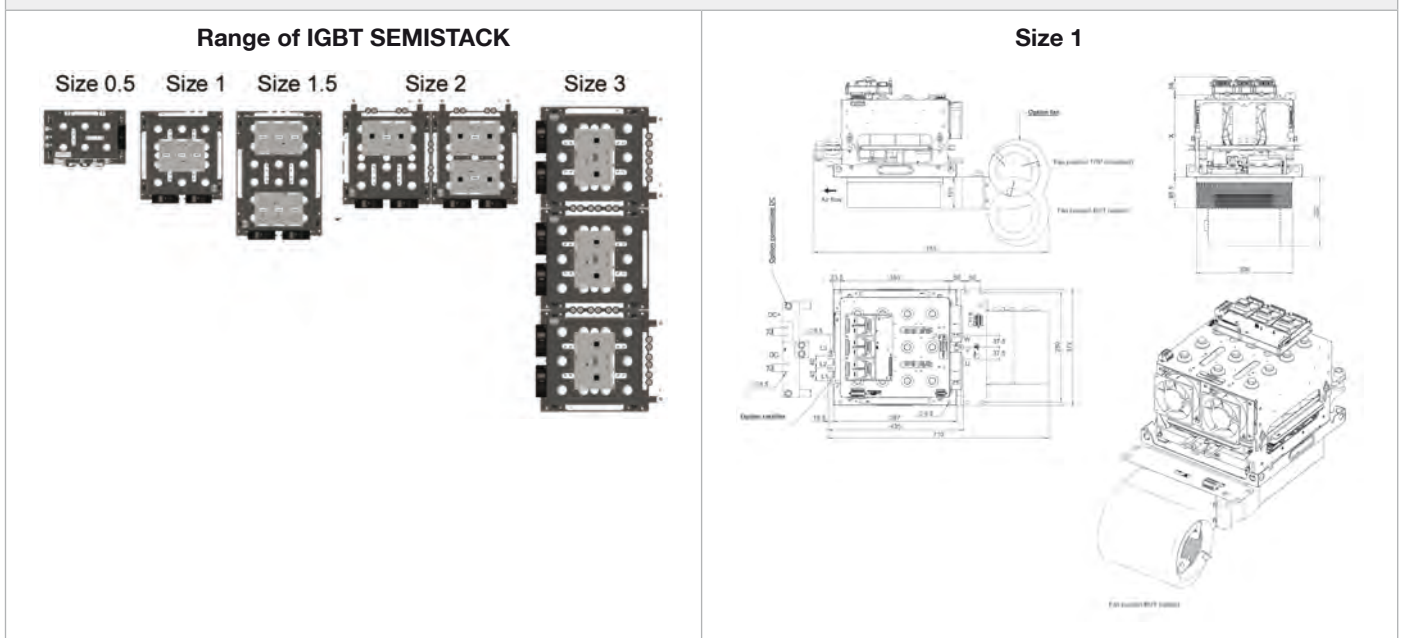
3-Cell vertical integration



Solutions - SEMIKUBE

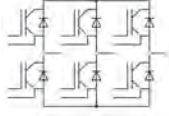
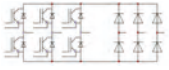
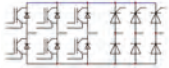
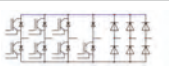
Type	V _{AC} V	V _{DC} V	Current A	Component Family	Cooling	Heatsink profile	Iso- lated	Circuit
Three-phase inverter								
IGD-8-326-E1F12-BH-FA	460	750	1230	SEMISTRANS	Forced-air cooled	Px 308	yes	
IGD-8-426-E1F12-BH-FA	460	750	1490	SEMISTRANS	Forced-air cooled	Px 308	yes	
Three-phase rectifier and inverter								
IGDD6-1-326-D1616-E1N6-DL-FA	460	750	150	SEMISTRANS/ SEMIPACK	Forced-air cooled	Px 308	yes	
IGDD6-1-426-D1616-E1N6-DL-FA	460	750	180	SEMISTRANS/ SEMIPACK	Forced-air cooled	Px 308	yes	
IGDD6-2-326-D1616-E1F12-DH-FA	460	750	280	SEMISTRANS/ SEMIPACK	Forced-air cooled	Px 308	yes	
IGDD6-2-426-D1616-E1F12-DH-FA	460	750	330	SEMISTRANS/ SEMIPACK	Forced-air cooled	Px 308	yes	
IGDD6-4-326-D3816-E1F12-BL-FA	460	750	570	SEMISTRANS/ SEMIPACK	Forced-air cooled	Px 308	yes	
IGDD6-4-426-D3816-E1F12-BL-FA	460	750	680	SEMISTRANS/ SEMIPACK	Forced-air cooled	Px 308	yes	

Cases



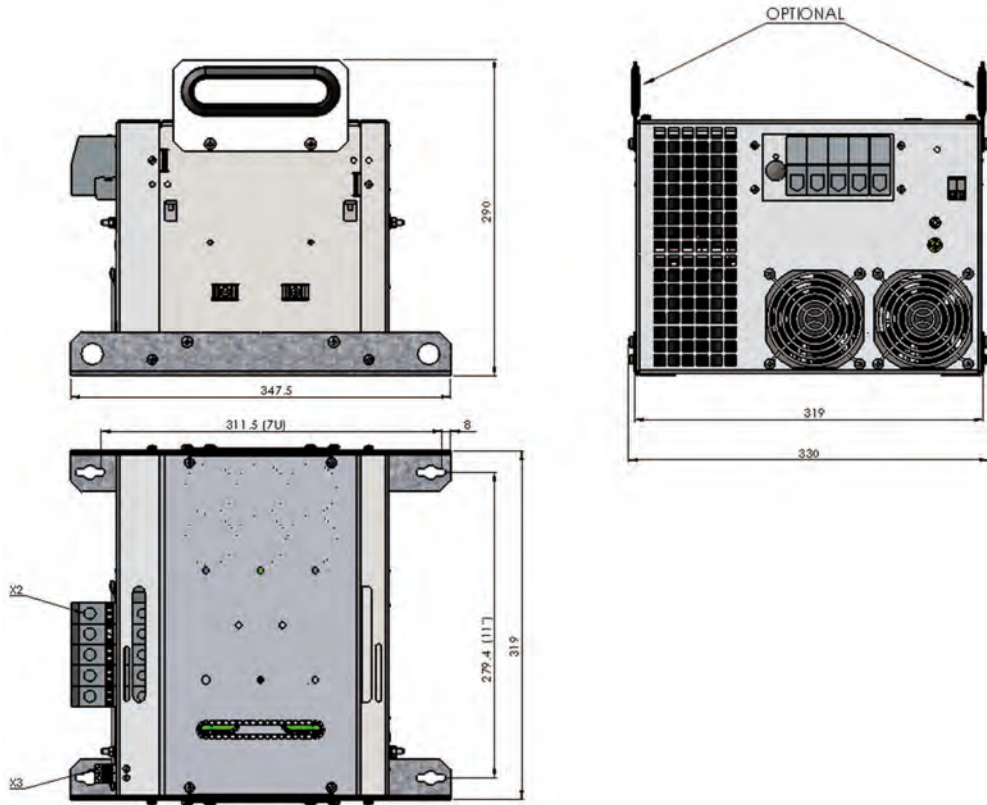
Dimensions in mm

Solutions - SEMiXBOX

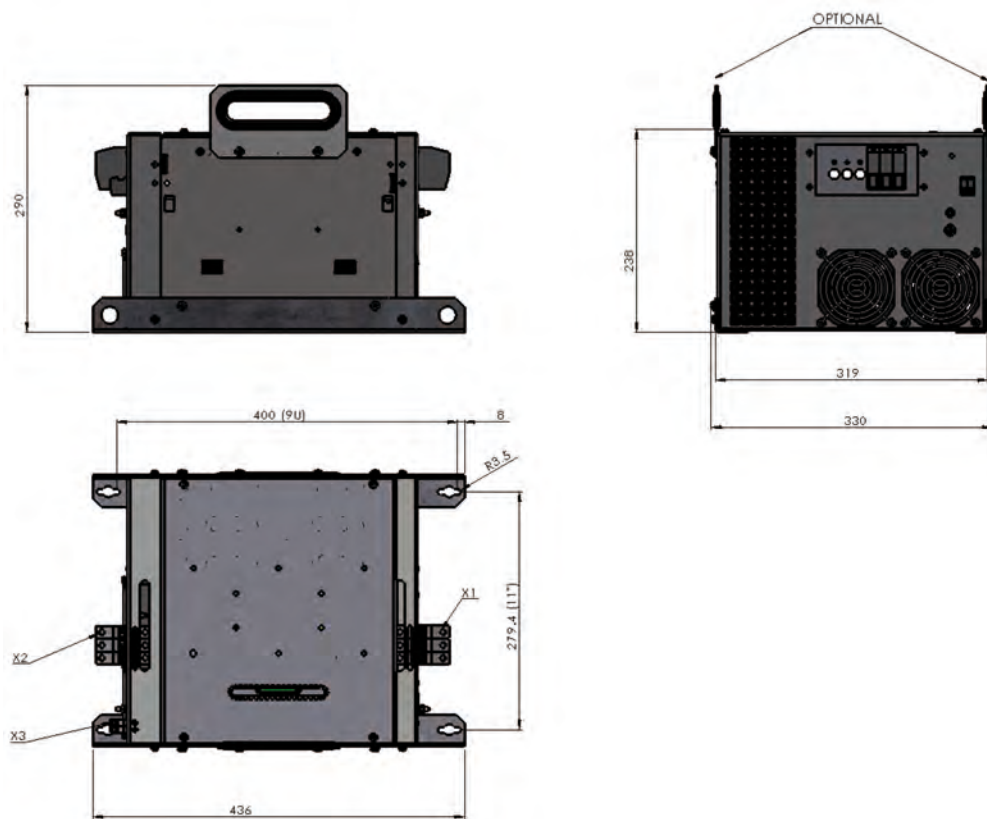
Type	V _{AC} V	V _{DC} V	Current A	Component Family	Cooling	Heatsink profile	Iso- lated	Circuit
Three-phase inverter								
SKS 83F B6CI 58 V12 ¹⁾	500	900	83	SEMiX	Forced-air cooled	Px 17	yes	
SKS 110F B6CI 76 V12 ¹⁾	500	900	110	SEMiX	Forced-air cooled	Px 17	yes	
SKS 118F B6CI 45 V06 ¹⁾	250	450	118	SEMiX	Forced-air cooled	Px 17	yes	
SKS 150F B6CI 104 V12 ¹⁾	500	900	150	SEMiX	Forced-air cooled	Px 17	yes	
SKS 85F B6CI+B6U 59 V12 ¹⁾	500	900	85	SEMiX	Forced-air cooled	Px 17	yes	
SKS 105F B6CI+B6U 72 V12 ¹⁾	500	900	105	SEMiX	Forced-air cooled	Px 17	yes	
SKS 78F B6CI+B6HK 54 V12 ¹⁾	500	900	78	SEMiX	Forced-air cooled	Px 17	yes	
SKS 100F B6CI+B6HK 69 V12 ¹⁾	500	900	100	SEMiX	Forced-air cooled	Px 17	yes	
SKS 80F B6CI+E1CIF+B6U 55 V12 ¹⁾	500	900	80	SEMiX	Forced-air cooled	Px 17	yes	
SKS 88F (B6CI)2P 61 V12 ¹⁾	500	900	88	SEMiX	Forced-air cooled	Px 17	yes	

Cases

CELL 2



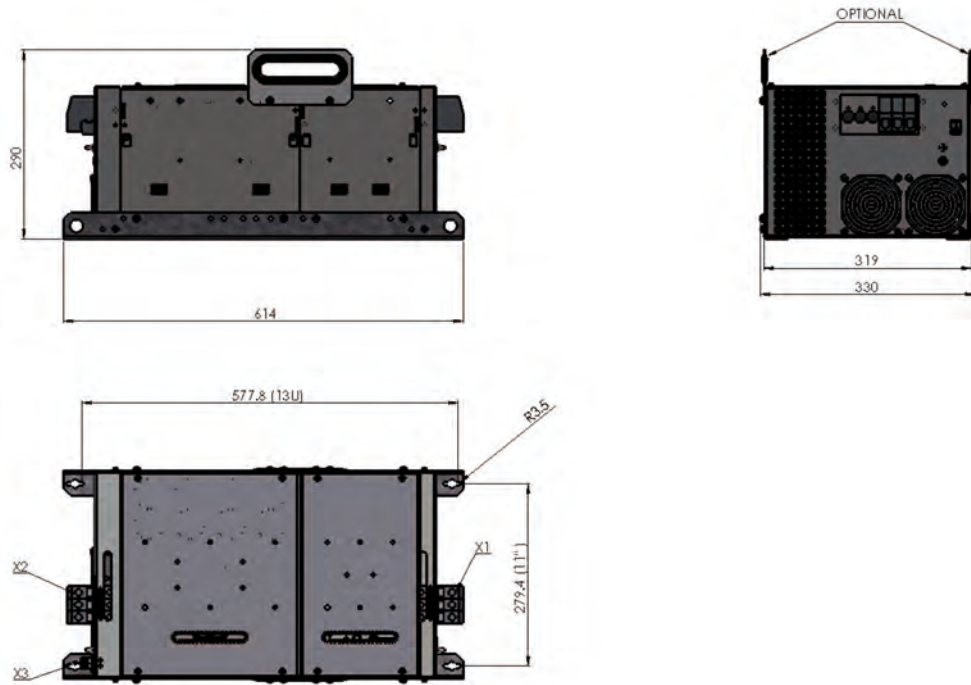
CELL 3



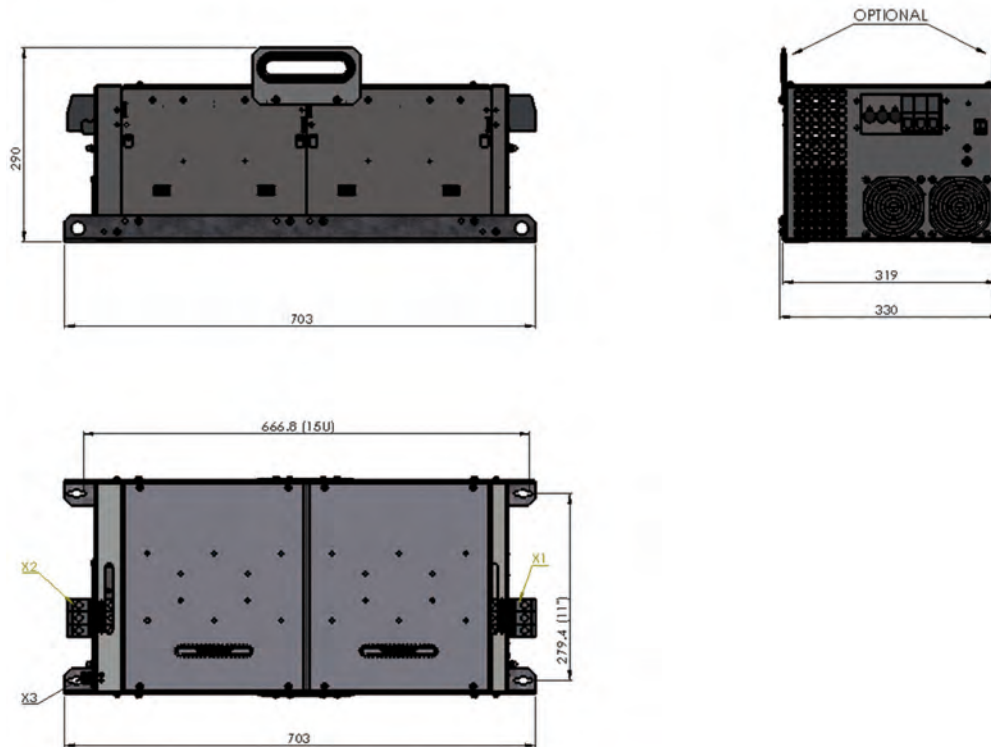
Dimensions in mm

Cases

CELL 3 + CELL 2



CELL 3 + CELL 3



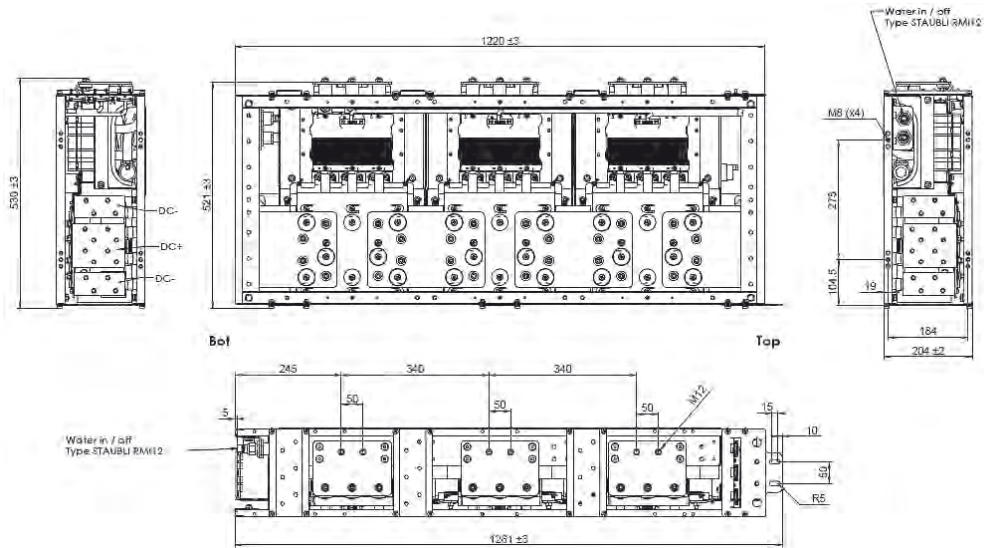
Dimensions in mm

Solutions - SEMISTACK Renewable Energy

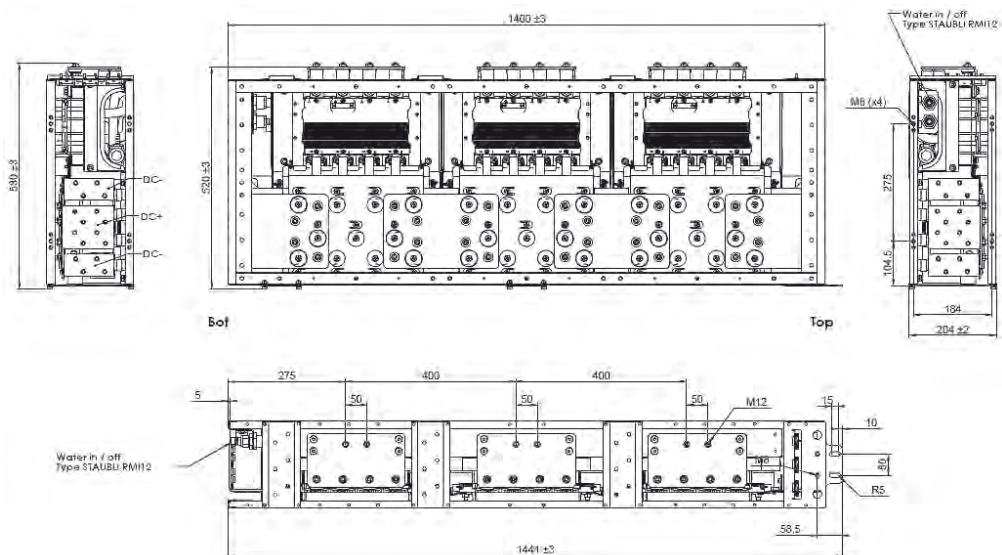
Type	V _{AC} V	V _{DC} V	Current A	Component Family	Cooling	Output frequency Hz	Iso- lated	Circuit
Three-phase inverter								
SKS B 085 GD 69/11 - WA PB	690	1100	850	SKiiP3	Water/ Glycol	50/60	yes	
SKS B 100 GD 69/11 - WA PB	690	1100	1000	SKiiP3	Water/ Glycol	50/60	yes	
SKS B 120 GD 69/11 - MA PC	690	1100	1200	SKiiP3	Water/ Glycol	50/60	yes	

Cases

SKS B 085 GD 69/11 - WA PB

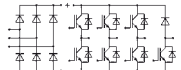
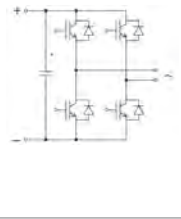
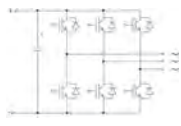
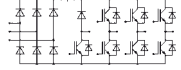


SKS B 100 GD 69/11 - WA PB SKS B 120 GD 69/11 - MA PC

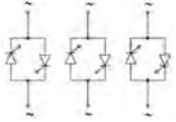
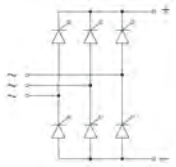
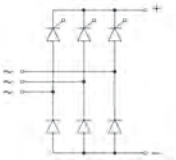


Dimensions in mm

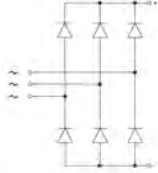
Solutions - SEMISTACK IGBT

Type	V _{AC} V	V _{DC} V	Current A	Component Family	Cooling	Heatsink profile	Iso- lated	Circuit
Educational rectifier applications								
SEMITEACH - IGBT	440	750	30	SEMITRANS	Forced-air cooled	P 3	yes	
Single-phase inverter								
SKS 15F B2CI 03 V12	240	450	15	SEMITOP	Forced-air cooled	P 0,71	yes	
SKS 30F B2CI 10 V12	380	800	30	SEMITOP	Forced-air cooled	P 0,71	yes	
SKS 40F B2CI 07 V6	230	600	40	SEMITOP	Forced-air cooled	P 0,71	yes	
SKS 65F B2CI 08 V12	125	350	65	SEMITOP	Forced-air cooled	P 3	yes	
SKS 210F B2CI 07 V01	70	100	210	SEMITOP	Forced-air cooled	HS 2160 DBP	yes	
Three-phase inverter								
SKS 11F B6CI 07 V12	440	600	18	SEMITOP	Forced-air cooled	P 35	yes	
SKS 80N B6CI 02 V0075	50	75	83	SEMITOP	Natural cooled	P 35 (Special)	yes	
SKS 32F B6U+E1CIF+B6CI 12 V06	250	350	32	SEMITOP	Forced-air cooled	P 35	yes	
SKS 46F B6U+E1CIF+B6CI 17 V06	250	350	46	SEMITOP	Forced-air cooled	P 35	yes	
SKS 660F B6U+E1C+B6CI 250 V06	220	310	700	SEMIX	Forced-air cooled	P 122	yes	

Solutions - SEMISTACK Diode / Thyristor Isolated

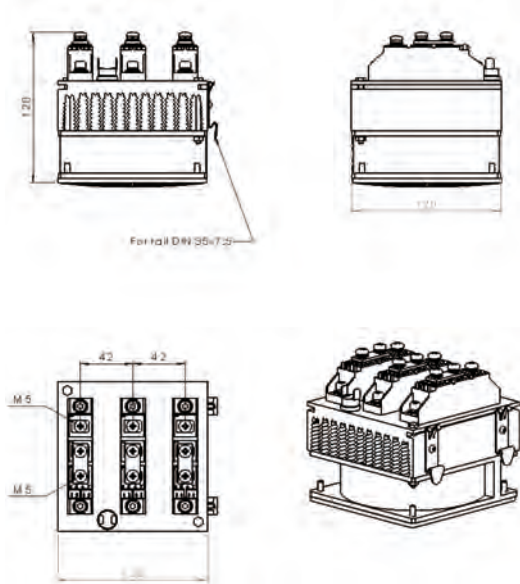
Type	V _{AC} V	V _{DC} V	Current A	Component Family	Cooling	Heatsink profile	Iso- lated	Circuit
Three-phase AC controller								
SKS 120F W3C 80 V16	400	-	123	SEMIPACK	Forced-air cooled	Px 120	yes	
SKS 200F W3C 170 V16	500	-	200	SEMIPACK	Forced-air cooled	P 3	yes	
SKS 290F W3C 250 V16	500	-	290	SEMIPACK	Forced-air cooled	P 16	yes	
SKS 480F W3C 410 V16	500	-	480	SEMIPACK	Forced-air cooled	P 16	yes	
Three-phase fully-controlled thyristor bridge rectifier								
SKS 88N B6C 60 V16	500	670	88	SEMIPACK SKKT 106/16	Natural cooled	P 3/180	yes	
SKS 88N B6C 60 V16 SU	500	670	88	SEMIPACK SKKT 106/16	Natural cooled	P 3/180	yes	
SKS 180F B6C 120 V16	500	670	180	SEMIPACK SKKT 106/16	Forced-air cooled	P 3/180	yes	
SKS 180F B6C 120 V16 SU	500	670	180	SEMIPACK SKKT 106/16	Forced-air cooled	P 3/180	yes	
SKS 250F B6C 170 V16	500	670	250	SEMIPACK SKKT 162/16	Forced-air cooled	P 3/265	yes	
SKS 250F B6C 170 V16 SU	500	670	250	SEMIPACK SKKT 162/16	Forced-air cooled	P 3/265	yes	
SKS 365F B6C 245 V16	500	670	365	SEMIPACK SKKT 162/16	Forced-air cooled	P 16/200	yes	
SKS 365F B6C 245 V16 SU	500	670	365	SEMIPACK SKKT 162/16	Forced-air cooled	P 16/200	yes	
SKS 570F B6C 380 V16	500	670	570	SEMIPACK SKKT 323/16	Forced-air cooled	P 16/200	yes	
SKS 570F B6C 380 V16 SU	500	670	570	SEMIPACK SKKT 323/16	Forced-air cooled	P 16/200	yes	
SKS 640F B6C 430 V16	500	670	640	SEMIPACK SKKT 330/16	Forced-air cooled	P 16/200	yes	
SKS 640F B6C 430 V16 SU	500	670	640	SEMIPACK SKKT 330/16	Forced-air cooled	P 16/200	yes	
SKS 970F B6C 650 V16	500	670	970	SEMIPACK SKKT 570/16	Forced-air cooled	P 16/300	yes	
SKS 970F B6C 650 V16 SU	500	670	970	SEMIPACK SKKT 570/16	Forced-air cooled	P 16/300	yes	
Three-phase half-controlled bridge rectifier								
SKS 250F B6HK 170 V16	500	670	250	SEMIPACK	Forced-air cooled	P 3	yes	
SKS 360F B6HK 240 V16	500	670	360	SEMIPACK	Forced-air cooled	P 16	yes	
SKS 590F B6HK 400 V16	500	670	590	SEMIPACK	Forced-air cooled	P 16	yes	
SKS 700N B6HK 470 V16	500	670	700	Presspack	Natural cooled	P 11	yes	
SKS 790F B6HK 740 V22	690	930	790	SEMIPACK	Forced-air cooled	P 16	yes	
SKS 890F B6HK 600 V16	500	670	890	SEMIPACK	Forced-air cooled	P 16	yes	
SKS 1000N B6HK 670 V16	500	670	1000	Presspack	Natural cooled	U 3	yes	

Solutions - SEMISTACK Diode / Thyristor Isolated

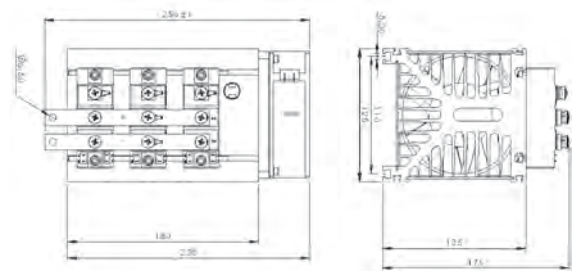
Type	V _{AC} V	V _{DC} V	Current A	Component Family	Cooling	Heatsink profile	Iso- lated	Circuit
Three-phase uncontrolled diode bridge rectifier								
SKS 160F B6U 100 V16	500	670	161	SEMIPACK	Forced-air cooled	Px 120	yes	
SKS 175F B6U 117 V16	500	670	175	SEMIPACK	Forced-air cooled	P 3	yes	
SKS 260F B6U 175 V16	500	670	260	SEMIPACK	Forced-air cooled	P 3	yes	
SKS 290F B6U 190 V16	500	670	290	SEMIPACK	Forced-air cooled	P 3	yes	
SKS 870F B6U 590 V16	500	670	870	SEMIPACK	Forced-air cooled	P 16	yes	
SKS 1270F B6U 860 V16	500	670	1270	SEMIPACK	Forced-air cooled	P 16	yes	
SKS 4015F B6U 4060 V24	760	1050	4015	Presspack	Natural cooled	N 4	yes	

Cases SEMISTACK standard platforms using SEMIPACK

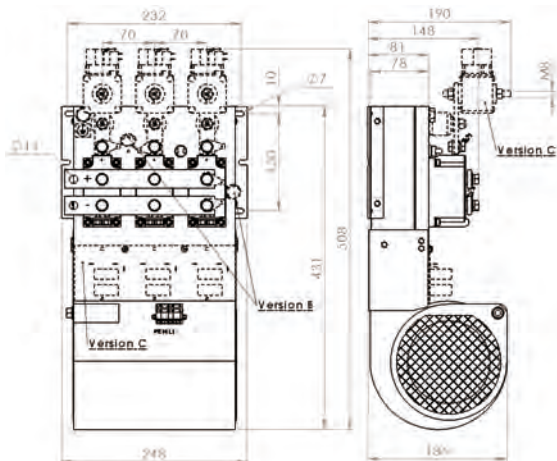
Px 120/120F platform



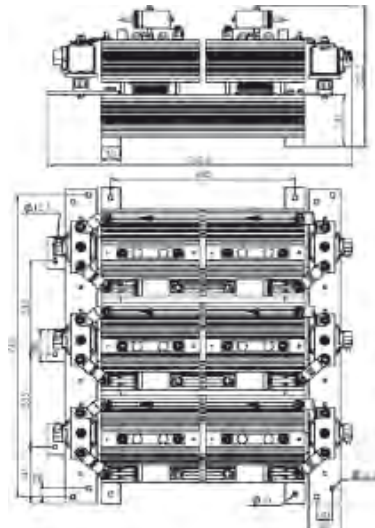
P 3/180F platform



P 16/200F platform

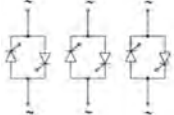


U3 platform



Dimensions in mm

Solutions - SEMISTACK Diode / Thyristor Non-Isolated

Type	V _{AC} V	V _{DC} V	Current A	Component Family	Cooling	Heatsink profile	Iso- lated	Circuit
Three-phase AC controller								
SKS 290N W3C 250 V16	500	-	290	Stud device	Natural cooled	P 1	no	
SKS 440N W3C 380 V16	500	-	440	Presspack	Natural cooled	P 11	no	
SKS 540N W3C 470 V16	500	-	540	Presspack	Natural cooled	P 11	no	
SKS 590F W3C 570 V16	500	-	590	Stud device	Forced-air cooled	P 1	no	
SKS 660N W3C 570 V16	500	-	660	Presspack	Natural cooled	U 3	no	
SKS 780F W3C 680 V16	500	-	780	Presspack	Forced-air cooled	P 17	no	
SKS 780N W3C 670 V16	500	-	780	Presspack	Natural cooled	U 3	no	
SKS 850F W3C 740 V16	500	-	850	Presspack	Forced-air cooled	P 17	no	
SKS 950F W3C 820 V16	500	-	950	Presspack	Forced-air cooled	P 17	no	
SKS 1000F W3C 1200 V22	690	-	1000	Presspack	Forced-air cooled	P 17	no	
SKS 1000F W3C 870 V16	500	-	1000	Presspack	Forced-air cooled	P 17	no	
SKS 1180F W3C 1020 V16	500	-	1180	Presspack	Forced-air cooled	P 17	no	
SKS 1200F W3C 1040 V16	500	-	1200	Presspack	Forced-air cooled	P 17	no	
SKS 1200F W3C 1430 V22	690	-	1200	Presspack	Forced-air cooled	P 17	no	
SKS 1270F W3C 1100 V16	500	-	1270	Presspack	Forced-air cooled	P 18	no	
SKS 1270F W3C 1520 V22	690	-	1270	Presspack	Forced-air cooled	P 18	no	
SKS 1470F W3C 1270 V16	500	-	1470	Presspack	Forced-air cooled	U 3	no	
SKS 1510F W3C 1310 V16	500	-	1510	Presspack	Forced-air cooled	P 18	no	
SKS 1770F W3C 1540 V16	500	-	1770	Presspack	Forced-air cooled	N 4	no	
SKS 2090F W3C 1830 V16	500	-	2090	Presspack	Forced-air cooled	N 4	no	
SKS 2680F W3C 2320 V16	500	-	2680	Presspack	Forced-air cooled	N 4	no	

Solutions - SEMISTACK Diode / Thyristor Non-Isolated

Type	V _{AC} V	V _{DC} V	Current A	Component Family	Cooling	Heatsink profile	Iso- lated	Circuit
Three-phase fully-controlled thyristor bridge rectifier								
SKS 225N B6C 150 V16	500	670	225	Stud devices SKT 160/16	Natural cooled	P 1/150	no	
SKS 225N B6C 150 V16 SU	500	670	225	Stud devices SKT 160/16	Natural cooled	P 1/150	no	
SKS 380N B6C 255 V16	500	670	380	Stud devices SKT 300/16	Natural cooled	P 1/200	no	
SKS 380N B6C 255 V16 SU	500	670	380	Stud devices SKT 300/16	Natural cooled	P 1/200	no	
SKS 700N B6C 470 V16	500	670	700	Presspack SKT 760/16	Natural cooled	P 11/415	no	
SKS 700N B6C 470 V16 SU	500	670	700	Presspack SKT 760/16	Natural cooled	P 11/415	no	
SKS 845N B6C 570 V16	500	670	845	Presspack SKT 760/16	Natural cooled	U 3/515	no	
SKS 845N B6C 570 V16 SU	500	670	845	Presspack SKT 760/16	Natural cooled	U 3/515	no	
SKS 1000N B6C 670 V16	500	670	1000	Presspack SKT 1200/16	Natural cooled	U 3/515	no	
SKS 1000N B6C 670 V16 SU	500	670	1000	Presspack SKT 1200/16	Natural cooled	U 3/515	no	
SKS 1200F B6C 800 V16	500	670	1200	Presspack SKT 760/16	Forced-air cooled	P 17/130	no	
SKS 1200F B6C 800 V16 SU	500	670	1200	Presspack SKT 760/16	Forced-air cooled	P 17/130	no	
SKS 1500F B6C 1010 V16	500	670	1500	Presspack SKT 1200/16	Forced-air cooled	P 17/130	no	
SKS 1500F B6C 1010 V16 SU	500	670	1500	Presspack SKT 1200/16	Forced-air cooled	P 17/130	no	
SKS 1890F B6C 1270 V16	500	670	1890	Presspack SKT 1200/16	Forced-air cooled	P 18/180	no	
SKS 1890F B6C 1270 V16 ZU	500	670	1890	Presspack SKT 1200/16	Forced-air cooled	P 18/180	no	
SKS 2580F B6C 1730 V16	500	670	2580	Presspack SKT 1200/16	Forced-air cooled	N 4/250	no	
SKS 2580F B6C 1730 V16 ZU	500	670	2580	Presspack SKT 1200/16	Forced-air cooled	N 4/250	no	

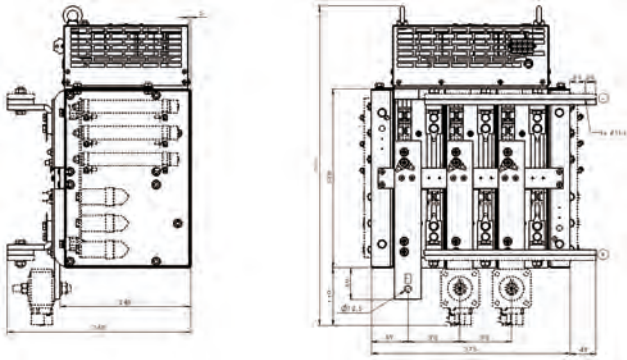
Solutions - SEMISTACK Diode / Thyristor Non-Isolated

Type	V _{AC} V	V _{DC} V	Current A	Component Family	Cooling	Heatsink profile	Iso- lated	Circuit
Three-phase half-controlled bridge rectifier								
SKS 380N B6HK 260 V16	500	670	380	Stud device	Natural cooled	P 1	no	
SKS 570N B6HK 380 V16	500	670	570	Presspack	Natural cooled	P 11	no	
SKS 750F B6HK 510 V16	500	670	750	Stud device	Forced-air cooled	P 1	no	
SKS 850N B6HK 570 V16	500	670	850	Presspack	Natural cooled	U 3	no	
SKS 980F B6HK 660 V16	500	670	980	Presspack	Forced-air cooled	P 17	no	
SKS 1080F B6HK 730 V16	500	670	1080	Presspack	Forced-air cooled	P 17	no	
SKS 1200F B6HK 820 V16	500	670	1200	Presspack	Forced-air cooled	P 17	no	
SKS 1270F B6HK 1180 V22	690	930	1270	Presspack	Forced-air cooled	P 17	no	
SKS 1500F B6HK 1010 V16	500	670	1500	Presspack	Forced-air cooled	P 17	no	
SKS 1540F B6HK 1030 V16	500	670	1540	Presspack	Forced-air cooled	P 17	no	
SKS 1540F B6HK 1430 V22	690	930	1540	Presspack	Forced-air cooled	P 17	no	
SKS 1600F B6HK 1070 V16	500	670	1600	Presspack	Forced-air cooled	P 18	no	
SKS 1600F B6HK 1490 V22	690	930	1600	Presspack	Forced-air cooled	P 18	no	
SKS 1830F B6HK 1240 V16	500	670	1830	Presspack	Forced-air cooled	U 3	no	
SKS 1890F B6HK 1280 V16	500	670	1890	Presspack	Forced-air cooled	P 18	no	
SKS 2190F B6HK 1480 V16	500	670	2190	Presspack	Forced-air cooled	N 4	no	
SKS 2580F B6HK 1750 V16	500	670	2580	Presspack	Forced-air cooled	N 4	no	
SKS 3420F B6HK 2280 V16	500	670	3420	Presspack	Forced-air cooled	N 4	no	
Three-phase uncontrolled diode bridge rectifier								
SKS 1410N B6U 950 V16	500	670	1410	Presspack	Natural cooled	U 3	no	
SKS 1940F B6U 1300 V16	500	670	1940	Presspack	Forced-air cooled	P 17	no	
SKS 4015F B6U 2700 V16	500	670	4015	Presspack	Forced-air cooled	N 4	no	
SKS 4015F B6U 4060 V24	760	1050	4015	Presspack	Forced-air cooled	N 4	no	

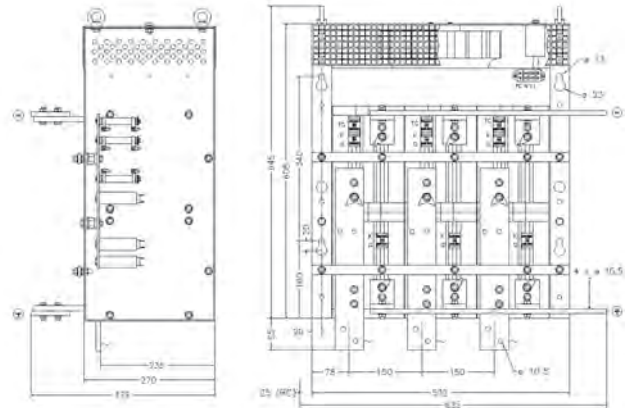
Solutions - SEMISTACK Diode / Thyristor Non-Isolated

Cases SEMISTACK standard platforms using capsule devices

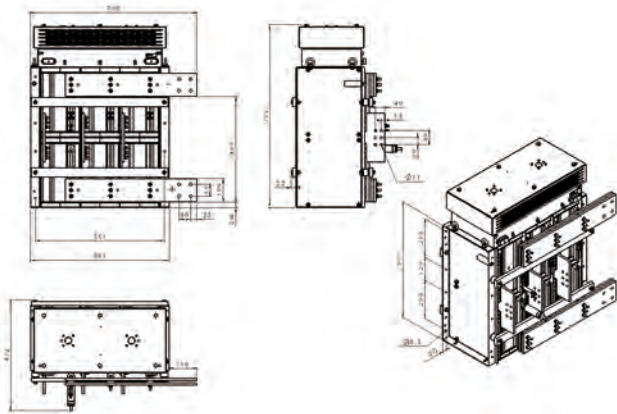
P 17/130F platform



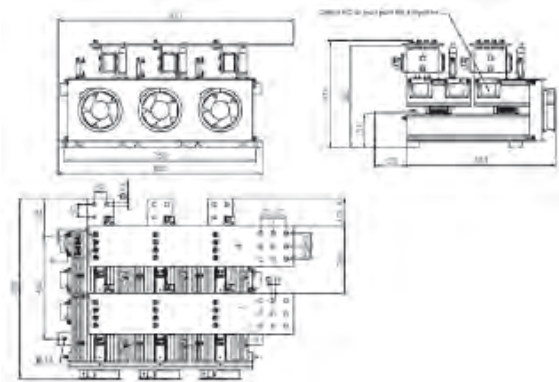
P 18/180F platform



N 4/250F platform



U3 platform



Dimensions in mm