

SIMOVERT MASTERDRIVES Vector Control 6SE71 Converter Cabinet Units

Converters 37 kW to 1500 kW for single-quadrant operation, 6-pulse system

Cabinet units



Selection and ordering data

Nominal power rating	Rated output current	Base load current	Short-time current	Input current	Converter	Power loss at 2.5 kHz	Dimensions Frame measurements W x H x D	Dimension drawing, see Section 7	Weight approx.	Cooling-air requirement	Sound pressure level L_{pA} (1 m)
	I_{UN}	I_G	$I_{max.}$								
kW	A	A	A	A	Order No.	kW	mm	No.	kg	m ³ /s	dB

Supply voltage 3 AC 380 V to 480 V

400 V

45	92	84	126	101	6SE7131-0EB61-3BA0	1.3	600 x 2000 x 600	60	250	0.1	70
55	124	113	169	136	6SE7131-2EC61-3BA0	1.9	900 x 2000 x 600	61	300	0.14	70
75	146	133	199	160	6SE7131-5EC61-3BA0	2.1	900 x 2000 x 600	61	310	0.14	70
90	186	169	254	205	6SE7131-8EC61-3BA0	2.4	900 x 2000 x 600	61	320	0.14	70
110	210	191	287	231	6SE7132-1ED61-3BA0	3	1200 x 2000 x 600	62	420	0.31	80
132	260	237	355	286	6SE7132-6ED61-3BA0	3.6	1200 x 2000 x 600	62	430	0.31	80
160	315	287	430	346	6SE7133-2ED61-3BA0	4.5	1200 x 2000 x 600	62	450	0.41	80
200	370	337	503	407	6SE7133-7ED61-3BA0	5.2	1200 x 2000 x 600	62	500	0.41	80
250	510	464	694	561	6SE7135-1EE62-3BA0	7.4	1500 x 2000 x 600	63	750	0.46	80
315	590	537	802	649	6SE7136-0EE62-3BA0	8.6	1500 x 2000 x 600	63	750	0.46	80
400	690	628	938	759	6SE7137-0EE62-3BA0	10.7	1500 x 2000 x 600	63	800	1.3	85
500	860	782	1170	946	6SE7138-6EG62-3BA0	16	2100 x 2000 x 600	64	1420	1.3	85
630	1100	1000	1496	1190	6SE7141-1EH62-3BA0	18.7	2400 x 2000 x 600	65	1550	1.9	85
710	1300	1183	1768	1430	6SE7141-3EJ62-3BA0	20.3	2700 x 2000 x 600	66	1800	1.9	85



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Supply connection (connecting lugs, bottom)						Motor connection (connecting lugs, bottom)							
Recommended cross-section		Maximum cable cross-section		Terminal screws		Recommended supply-cable fuses	Recommended cross-section		Maximum cable cross-section		Terminal screws		
DIN VDE mm ²	AWG/ MCM	Standard mm ²	Option	Standard	Option	gL NH Type	DIN VDE mm ²	AWG/ MCM	Standard mm ²	Option	Standard	Option	
35	0	70	2 x 240	M 6	M 12	3NA3 830 (100)	35	0	2 x 70	2 x 240	M 10	M 12	
70	(000)	150	2 x 240	M 10	M 12	3NA3 136 (160)	70	(000)	2 x 70	2 x 240	M 10	M 12	
70	(000)	150	2 x 240	M 10	M 12	3NA3 136 (160)	70	(000)	2 x 70	2 x 240	M 10	M 12	
95	(4/0)	150	2 x 240	M 10	M 12	3NA3 140 (200)	95	(4/0)	2 x 70	2 x 240	M 10	M 12	
120	(300)	150	2 x 240	M 10	M 12	3NA3 144 (250)	120	(300)	2 x 150	2 x 240	M 12	-	
2 x 70	2 x (000)	2 x 150	2 x 240	M 10	M 12	3NA3 252 (315)	2 x 70	2 x (000)	2 x 150	2 x 240	M 12	-	
2 x 95	2 x (4/0)	2 x 150	2 x 240	M 10	M 12	3NA3 260 (400)	2 x 95	2 x (4/0)	2 x 150	2 x 240	M 12	-	
2 x 95	2 x (4/0)	2 x 150	2 x 240	M 10	M 12	3NA3 260 (400)	2 x 95	2 x (4/0)	2 x 150	2 x 240	M 12	-	
2 x 150	2 x (400)	2 x 240	4 x 240	M 12	-	Protective circuit-breaker	2 x 150	2 x (400)	4 x 240	-	M 12/16	-	
2 x 185	2 x (500)	2 x 240	4 x 240	M 12	-	Protective circuit-breaker	2 x 185	2 x (500)	4 x 240	-	M 12/16	-	
2 x 240	2 x 600	4 x 240	-	M 12	-	Protective circuit-breaker	2 x 240	2 x 600	4 x 240	-	M 12/16	-	
3 x 185	3 x (500)	4 x 240	-	M 12	-	Protective circuit-breaker	3 x 185	3 x (500)	4 x 240	-	M 12/16	-	
4 x 185	4 x (500)	8 x 300	-	M 16	-	Protective circuit-breaker	4 x 185	4 x (500)	4 x 300	-	M 12/16	-	
4 x 240	4 x 600	8 x 300	-	M 16	-	Protective circuit-breaker	4 x 240	4 x 600	6 x 300	-	M 12/16	-	