

Modules		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52								
kWp		2,30	2,56	2,82	3,07	3,33	3,58	3,84	4,10	4,35	4,61	4,86	5,12	5,38	5,63	5,89	6,14	6,40	6,66	6,91	7,17	7,42	7,68	7,94	8,19	8,45	8,70	8,96	9,22	9,47	9,73	9,98	10,24	10,50	10,75	11,01	11,26	11,52	11,78	12,03	12,29	12,54	12,80	13,06	13,31								
Strings		1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Kostal	Piko 3.0		o	o	x	x	x																																														
	Piko 3.0 MP		x	x	x	x	x																																														
	Piko 3.6 MP								x																																												
	Piko 4.2 MP									x																																											
	Piko 4.2						o	o	o																																												
	Piko 4.6							x	x		o	o	o	o	o	o																																					
	Piko 5.5													o	o	o	o	x																																			
	Piko 7.0														o	o	o	o	o	o	o	o	o	o	x	x	x																										
	Piko 8.5															o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	
	Piko 10																										o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
	Piko 12																											o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
	Piko 15																																																				
	Fronius	Symo 3.0-3-M		x	x	x	x	x																																													
Symo 3.7-3-M					x	x	x	x	x	x																																											
Symo 4.5-3-M								x	x	x	x	x	x	x	x																																						
Symo 5.0-3-M									x	x	x	x	x	x	x	x	x																																				
Symo 6.0-3-M														x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				
Symo 7.0-3-M																	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
Symo 8.2-3-M																																																					
Symo 10.0-3-M																																																					
Symo 12.5-3-M																																																					
Symo 15.0-3-M																																																					
SMA	SB 3.0-1 AV-40		x	x	x	x	x																																														
	SB 3.6-1 AV-40				x	x	x	x	x																																												
	SB 4.0-1 AV-40						x	x	x	x																																											
	SB 5.0-1 AV-40							x	x	x	x																																										
	STP5000TL-20																																																				
	STP6000TL-20																																																				
	STP7000TL-20																																																				
	STP8000TL-20																																																				
	STP9000TL-20																																																				
	STP10000TL-20																																																				
	STP12000TL-20																																																				
STP15000TL-30																																																					

Key:

- x fit (at least one string connection possible, see inverter manufacturer design tools)
- o operating below mpp range (at +70°C)
- not fit

Fringe conditions:

- 80-120% Ppv/Pacinv inverter ratio
- Temperature range -10°C to +70°C
- max. system voltage NQR-256A 600V
- max. 16 modules per string (with -10°C 573,04V system/string voltage)
- generator field with one orientation and tilt

Hints:

This chart can be used for **preselection** of suitable inverters and will not replace an individual inverter design. The detailed planning and approval has to be made by the installer  
 Technical changes reserved, no liability assumed! This chart was made with inverter manufacturer design tools (Kostal Piko Plan 2.0, Fronius Online Configurator, SMA Sunny Design)

Modules		53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96							
kWp		13,57	13,82	14,08	14,34	14,59	14,85	15,10	15,36	15,62	15,87	16,13	16,38	16,64	16,90	17,15	17,41	17,66	17,92	18,18	18,43	18,69	18,94	19,20	19,46	19,71	19,97	20,22	20,48	20,74	20,99	21,25	21,50	21,76	22,02	22,27	22,53	22,78	23,04	23,30	23,55	23,81	24,06	24,32	24,58							
Strings		4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6				
Kostal	Piko 15	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x																									
	Piko 17													x	x	x	x	x	x	x	x	x	x	x	x	x	x	x																								
	Piko 20																																																			
Fronius	Symo 12.5-3-M	x	x	x	x	x	x	x	x																																											
	Symo 15.0-3-M	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x																															
	Symo 17.5-3-M				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
	Symo 20.0-3-M													x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
SMA	STP15000TL-30	x	x	x	x	x	x	x	x	x	x	x																																								
	STP20000TL-30					x	x	x	x	x	x	x	x																																							
	STP25000TL-30																																																			

Key:

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