

SolarEdge Optimiser Compatibility Guide



Select the Right Optimiser for Your System

Optimiser	Family	Rated DC Input Power	Max DC Input Power	Max Input Voltage	Max Module Isc	Min String Length (Opts)	Max String Length (Opts)	Max Nominal Power Per String	Max Allowed Connected Power Per String*	Max Allowed Connected Power 2 Strings	Max Allowed Connected Power 3 Strings
S440	Resi 1Ph	490W	490W	60Vdc	15A	8	25	5700W	6800W		
	9					5625W					
	Commercial 3Ph					16	50	11250W	13500W		
S500	Resi 1Ph	500W	500W	60Vdc	15A	8	25	5700W	6800W		
	9					5625W					
	Commercial 3Ph					16	50	11250W	13500W		
S500B	Resi 1Ph	500W	500W	125Vdc	15A	6	25	5700W	6800W		
	8					5625W					
	Commercial 3Ph					14	50	11250W	13500W		
S650B	Resi 1Ph	650W	650W	85Vdc	15A	6	25	5700W	6800W		
	8					5625W					
	Commercial 3Ph					14	50	11250W	13500W		
S1000	Commercial SE15K	1050W	1050W	125Vdc	15A	14	30	13950W	16200W	18950W	
	Commercial SE17K-SE25K							13500W	15750W	18500W	
	Commercial SE27.6K							13950W	16200W	18950W	
	Commercial SE30K					15		15300W	17550W	20300W	
	Commercial SE33.3K					14		13500W	15750W		18500W
S1200	Commercial SE15K	1260W	1260W	125Vdc	15A	14	30	15500W	20500W		
	Commercial SE17K-SE25K								17250W	20000W	
	Commercial SE27.6K								17750W	20500W	
	Commercial SE30K					15		17000W	19250W	23000W	
	Commercial SE33.3K										
S1400	Commercial SE15K	1400W	1400W	125Vdc	20A	14	30	18600W	28600W		
	Commercial SE17K							18000W	2800W		
	Commercial SE25K							18000W	20250W	28000W	
	Commercial SE27.6K - SE30K							18600W	20850W	28600W	
	Commercial SE33.3K							18000W	20250W	2800W	

*In multiple string designs, the maximum is permitted only when the difference in connected power between strings is 2,000W or less)