

SolarEdge String Design Matrix

Single Phase Home Hub + Battery/s

Model	W AC Rating	Max	S440/S500 Optimizers		S500B/S650B Optimizers		Strings	Max watts per string	Max array watts (no RSS)	5000	Maximum array size (watts)				
		Oversizing	Min	Max	Min	Max				x1 RSS	Strings	x2 RSS	Strings	x3 RSS	Strings
SE5000H	5	300%	8	25	6	25	1 or 2	6800	6800	15000	2	15000	2	15000	2
SE10000H	10	220%	8	25	6	25	2,3 or 4	6800	13300	22000	3	22000	3	22000	4

3 Phase Residential

Model	W AC Rating	Max	S500B/S650B Optimizers		S440/S500 Optimizers		Strings	Max watts per string	Max array
		Oversizing	Min	Max	Min	Max			
SE10K	10	133%	8	20	9	20	2 or 3	6800	13300
SE10K-RWB48	10	200%	14	50	16	50	2	13500	20000

3 Phase Commercial with S1000 Optimiser

Model	W AC Rating	Max	S1000 Optimizers		PV Modules		Max watts per string	Max watts 2+ strings	Min array watts	Max array watts
		Oversizing	Min	Max	Min	Max				
SE15K	15	135%	14	30	27	60	13950	18950	-	20250
SE17K	17	135%	14	30	27	60	13500	18500	11000	22950
SE25K	25	175%	14	30	27	60	13500	18500	11000	43750
SE30K	30	175%	15	30	29	60	15300	20300	11000	52500
SE33.3K	33.3	175%	14	30	27	60	13500	18500	11000	58275

3 Phase Commercial with S1200 Optimiser

Model	W AC Rating	Max	S1200 Optimizers		PV Modules		Max watts per string	Max watts 2+ strings	Min array watts	Max array watts
		Oversizing	Min	Max	Min	Max				
SE15K	15	135%	14	30	27	60	15500	20500	-	20250
SE17K	17	135%	14	30	27	60	15500	17250	11000	22950
SE25K	25	175%	14	30	27	60	15500	17250	11000	43750
SE30K	30	175%	15	30	29	60	17000	19250	11000	52500
SE33.3K	33.3	175%	15	30	29	60	17000	19250	11000	58275

3 Phase Commercial with S1400 Optimiser

Model	W AC Rating	Max	S1200 Optimizers		PV Modules		Max watts per string	Max watts 2+ strings	Min array watts	Max array watts
		Oversizing	Min	Max	Min	Max				
SE15K	15	135%	14	30	27	60	18600	28600	-	20250
SE17K	17	135%	14	30	27	60	18000	28000	11000	22950
SE25K	25	175%	14	30	27	60	1800	20250	11000	43750
SE30K	30	175%	15	30	29	60	18600	20850	11000	52500
SE33.3K	33.3	175%	15	30	29	60	18000	20250	11000	58275