

Southern Africa - SQFlex Sizing Table, Performance [m³/day], July

Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]		
		5	10	20	30	40	50	60	70	80	90	100	110			120	
ZONE C	tilt angle 15°	5.0	4.0	2.2	1.1	0.8	0.7	0.6	0.4	0.2	0.1				4	172	
		SQF 2.5-2				SQF 0.6-2											
		17.6	10.0	6.9	3.5	2.5	2.2	2.0	1.7	1.5	1.3	1.1	0.8	0.6	8	344	
		SQF 5A-3	SQF 2.5-2				SQF 1.2-2	SQF 0.6-2									
		31.5	14.5	11.0	6.7	4.4	3.6	3.2	2.9	2.6	2.3	2.0	1.7	1.5	12	516	
		SQF 8A-3	SQF 2.5-2				SQF 1.2-2		SQF 0.6-2								
		43.9	20.3	14.4	9.9	6.8	5.3	4.5	3.7	3.5	3.2	3.0	2.6	2.3	16	688	
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2								
		55.5	27.4	17.1	12.7	9.3	6.8	5.9	5.0	4.2	3.7	3.6	3.3	3.0	20	860	
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2						
ZONE C	tilt angle 30°	2.6 kWh/m ² day	9.3	6.2	3.9	1.7	1.4	1.3	1.1	0.9	0.7	0.5	0.4	0.2	0.1	4	172
		SQF 5A-3	SQF 2.5-2		SQF 0.6-2												
		26.9	13.0	9.7	5.7	3.7	3.1	2.8	2.5	2.2	2.0	1.8	1.5	1.2	8	344	
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2									
		43.7	20.5	14.4	9.9	6.8	5.3	4.5	3.7	3.4	3.2	3.0	2.6	2.3	12	516	
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2								
		58.8	29.5	17.2	13.6	10.1	7.6	6.4	5.5	4.7	3.9	3.6	3.4	3.1	16	688	
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2						
		71.7	37.1	18.6	15.8	13.0	10.3	8.0	6.7	6.1	5.3	4.7	4.0	3.5	20	860	
		SQF 14A-3		SQF 2.5-2				SQF 1.2-2					SQF 0.6-2				
ZONE C	tilt angle 45°	2.6 kWh/m ² day	23.9	12.2	8.9	5.0	3.4	2.8	2.5	2.2	2.0	1.8	1.6	1.3	1.0	4	172
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2										
		54.4	26.9	16.7	12.5	9.1	6.7	5.8	4.9	4.1	3.7	3.5	3.2	2.9	8	344	
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2						
		78.0	42.7	21.1	16.7	14.2	11.7	9.2	7.2	6.7	6.0	5.3	4.6	4.0	12	516	
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2								
		94.7	60.6	30.5	18.5	16.3	14.8	12.8	10.4	8.2	7.1	6.7	6.2	5.6	16	688	
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2							
		108	75.5	38.0	23.5	17.7	16.1	14.6	12.8	10.9	8.7	7.4	7.0	6.5	20	860	
		SQF 14A-3		SQF 5A-6		SQF 2.5-2					SQF 1.2-2						

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Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE D tilt angle 15°	3.2 kWh/m ² day	8.2	5.8	3.5	1.6	1.3	1.1	1.0	0.8	0.6	0.4	0.3	0.1		4	172
		SQF 5A-3	SQF 2.5-2		SQF 0.6-2											
		25.1	12.7	9.3	5.3	3.5	2.9	2.7	2.4	2.1	1.8	1.6	1.4	1.1	8	344
		SQF 8A-3	SQF 2.5-2		SQF 1.2-2	SQF 0.6-2										
		42.3	19.1	13.9	9.4	6.4	5.0	4.2	3.6	3.4	3.1	2.9	2.5	2.1	12	516
		SQF 8A-3	SQF 5A-3	SQF 2.5-2		SQF 1.2-2		SQF 0.6-2								
		57.2	28.3	17.4	13.0	9.6	7.0	6.1	5.2	4.4	3.8	3.6	3.3	3.1	16	688
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
70.5	35.8	19.2	15.7	12.4	9.8	7.4	6.7	6.0	5.1	4.4	3.8	3.6	20	860		
SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2						
ZONE D tilt angle 30°	3.2 kWh/m ² day	14.7	8.6	5.8	2.7	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4	4	172
		SQF 5A-3	SQF 2.5-2		SQF 0.6-2											
		37.9	16.8	12.7	8.3	5.5	4.4	3.7	3.3	3.1	2.8	2.5	2.1	1.9	8	344
		SQF 8A-3	SQF 5A-3	SQF 2.5-2		SQF 1.2-2		SQF 0.6-2								
		58.0	28.9	17.2	13.3	9.8	7.3	6.3	5.4	4.5	3.8	3.6	3.3	3.1	12	516
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		74.7	39.4	19.4	16.3	13.6	10.9	8.4	7.0	6.4	5.7	5.0	4.3	3.7	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2							
87.6	52.2	26.4	17.7	15.6	13.6	11.5	8.7	7.3	6.7	6.2	5.6	5.0	20	860		
SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2									
ZONE D tilt angle 45°	3.2 kWh/m ² day	Not actual												4	172	
														8	344	
														12	516	
														16	688	
														20	860	

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Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE E tilt angle 15°	3.8 kWh/m ² day	12.3	7.6	4.9	2.1	1.7	1.6	1.4	1.2	1.0	0.8	0.6	0.4	0.2	4	172
		SQF 5A-3	SQF 2.5-2		SQF 1.2-2	SQF 0.6-2										
		33.5	15.0	11.5	7.2	4.7	3.8	3.3	3.0	2.7	2.4	2.2	1.8	1.6	8	344
		SQF 8A-3	SQF 2.5-2		SQF 1.2-2	SQF 0.6-2										
		52.1	25.6	16.7	11.9	8.6	6.4	5.5	4.7	3.9	3.6	3.4	3.1	2.8	12	516
		SQF 14A-3	SQF 5A-3	SQF 2.5-2		SQF 1.2-2			SQF 0.6-2							
		69.4	35.3	19.1	15.5	12.2	9.5	7.3	6.6	5.8	4.9	4.2	3.8	3.6	16	688
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2					SQF 0.6-2				
		82.3	45.5	23.0	17.5	14.9	12.6	10.0	7.5	7.0	6.3	5.8	5.0	4.3	20	860
SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2									
ZONE E tilt angle 30°	3.8 kWh/m ² day	19.4	10.7	7.5	3.9	2.8	2.4	2.1	1.8	1.6	1.4	1.2	0.9	0.7	4	172
		SQF 5A-3	SQF 2.5-2		SQF 1.2-2	SQF 0.6-2										
		46.9	22.4	15.3	10.7	7.5	5.7	4.9	4.0	3.6	3.4	3.2	2.8	2.5	8	344
		SQF 8A-3	SQF 5A-3	SQF 2.5-2		SQF 1.2-2			SQF 0.6-2							
		70.3	35.8	19.0	15.7	12.5	9.8	7.5	6.7	6.0	5.1	4.4	3.8	3.6	12	516
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2				
		86.9	51.2	25.8	17.8	15.6	13.6	11.2	8.4	7.3	6.7	6.2	5.6	4.9	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2							
		100	66.7	33.4	19.3	17.0	15.4	13.7	11.5	9.3	7.4	7.0	6.6	6.1	20	860
SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2									
ZONE E tilt angle 45°	3.8 kWh/m ² day	Not actual												4	172	
														8	344	
														12	516	
														16	688	
														20	860	

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Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE F tilt angle 15°	4.4 kWh/m ² day	15.8	9.3	6.3	3.0	2.2	2.0	1.8	1.5	1.3	1.1	0.9	0.6	0.5	4	172
		SQF 5A-3	SQF 2.5-2				SQF 0.6-2									
		40.9	18.1	13.6	9.0	6.0	4.8	4.0	3.5	3.3	3.0	2.7	2.4	2.0	8	344
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2							
		62.4	31.2	18.4	14.2	10.6	8.0	6.7	5.8	5.0	4.1	3.8	3.6	3.3	12	516
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2					
		79.2	42.3	21.3	17.2	14.4	11.8	9.3	7.4	6.8	6.1	5.4	4.6	4.0	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2							
92.1	57.3	28.6	18.9	16.3	14.4	12.4	9.6	7.6	7.1	6.6	6.0	5.5	20	860		
SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2								
ZONE F tilt angle 30°	4.4 kWh/m ² day	24.2	12.4	9.1	5.1	3.4	2.8	2.6	2.3	2.0	1.8	1.6	1.3	1.0	4	172
		SQF 8A-3	SQF 2.5-2				SQF 1.2-2	SQF 0.6-2								
		55.9	27.6	17.3	12.7	9.3	6.8	6.0	5.1	4.2	3.8	3.6	3.3	3.0	8	344
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2				SQF 0.6-2					
		79.8	42.9	21.6	17.2	14.5	11.9	9.4	7.4	6.9	6.2	5.5	4.7	4.0	12	516
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2							
		96.5	62.5	31.2	19.4	16.8	15.2	13.2	10.7	8.3	7.3	6.9	6.4	5.8	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
111	77.6	38.9	24.1	18.4	16.6	15.0	13.2	11.2	8.7	7.6	7.2	6.7	20	860		
SQF 14A-3		SQF 5A-6	SQF 2.5-2						SQF 1.2-2							
ZONE F tilt angle 45°	4.4 kWh/m ² day	Not actual												4	172	
														8	344	
														12	516	
														16	688	
														20	860	

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Zone	Solar radiation	Total Head [m]													No. of GF 43	Power [Wp]
		5	10	20	30	40	50	60	70	80	90	100	110	120		
ZONE G	tilt angle 15°	18.9	10.5	7.3	3.7	2.6	2.3	2.1	1.8	1.6	1.4	1.2	0.9	0.6	4	172
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		46.1	21.8	15.2	10.4	7.2	5.6	4.8	3.9	3.6	3.4	3.2	2.7	2.4	8	344
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		69.6	35.3	19.3	15.6	12.2	9.5	7.3	6.6	5.8	4.9	4.2	3.8	3.6	12	516
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2					SQF 0.6-2			
		86.2	50.0	25.1	18.2	15.5	13.4	10.9	8.1	7.3	6.7	6.1	5.5	4.7	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		100.0	65.7	32.7	19.7	17.3	15.5	13.7	11.3	8.9	7.5	7.1	6.6	6.1	20	860
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
ZONE G	tilt angle 30°	28.1	13.5	10.1	5.9	3.9	3.1	2.9	2.6	2.3	2.0	1.8	1.5	1.3	4	172
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		62.1	30.9	18.6	14.0	10.5	7.9	6.7	5.7	4.9	4.0	3.8	3.6	3.3	8	344
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2				
		85.7	49.3	24.7	18.3	15.6	13.3	10.7	7.9	7.4	6.7	6.1	5.4	4.6	12	516
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		104	69.6	34.6	20.2	17.9	16.0	14.3	12.0	9.7	7.8	7.3	6.9	6.4	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		119	83.8	41.9	26.8	19.3	17.6	15.8	14.0	12.3	9.9	7.9	7.6	7.2	20	860
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
ZONE G	tilt angle 45°	Not actual													4	172
		Not actual													8	344
		Not actual													12	516
		Not actual													16	688
		Not actual													20	860

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Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE H tilt angle 15°	5.5 kWh/m ² day	22.2	11.8	8.5	4.5	3.1	2.7	2.4	2.1	1.9	1.6	1.4	1.1	0.9	4	172
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		52.4	25.7	16.9	11.9	8.6	6.4	5.5	4.7	3.9	3.7	3.5	3.2	2.8	8	344
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		76.7	39.2	20.4	17.0	13.9	11.1	8.6	7.2	6.6	5.8	5.1	4.3	3.8	12	516
		SQF 14A-3		SQF 2.5-2					SQF 1.2-2					SQF 0.6-2		
		93.4	58.6	29.1	19.3	16.6	14.7	12.6	9.8	7.7	7.2	6.8	6.2	5.6	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		109	74.2	37.0	22.4	18.4	16.3	14.8	12.6	10.7	8.0	7.5	7.1	6.6	20	860
		SQF 14A-3		SQF 5A-6		SQF 2.5-2					SQF 1.2-2					
ZONE H tilt angle 30°	5.5 kWh/m ² day	31.1	14.7	10.9	6.6	4.3	3.5	3.1	2.8	2.5	2.3	2.0	1.7	1.4	4	172
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2							
		66.9	33.5	19.6	15.3	11.4	8.8	7.2	6.3	5.4	4.5	4.0	3.8	3.5	8	344
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		91.9	54.8	27.1	19.4	16.8	14.4	11.8	8.9	7.7	7.2	6.6	6.0	5.2	12	516
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		112	75.2	37.3	22.4	19.0	17.0	15.1	12.9	10.7	8.2	7.7	7.3	6.8	16	688
		SQF 14A-3		SQF 5A-6		SQF 2.5-2					SQF 1.2-2					
		127	88.6	44.9	28.9	20.2	18.6	16.9	14.8	13.2	10.9	8.3	7.9	7.5	20	860
		SQF 14A-3		SQF 5A-6		SQF 2.5-2					SQF 1.2-2					
ZONE H tilt angle 45°	5.5 kWh/m ² day	Not actual												4	172	
														8	344	
														12	516	
														16	688	
														20	860	

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Zone	Solar radiation	Total Head [m]												No. of GF 43	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE I tilt angle 15°	6.1 kWh/m ² day	25.8	12.9	9.5	5.4	3.6	3.0	2.7	2.4	2.1	1.9	1.6	1.4	1.1	4	172
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		58.6	29.0	18.1	13.2	9.7	7.2	6.2	5.3	4.5	3.9	3.7	3.4	3.2	8	344
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2					
		82.5	45.3	22.8	17.9	15.0	12.5	9.9	7.7	7.1	6.4	5.8	5.0	4.2	12	516
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2							
		101	65.7	32.6	20.0	17.6	15.6	13.7	11.3	8.8	7.6	7.1	6.7	6.1	16	688
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		116	80.7	40.3	25.4	19.1	17.3	15.5	13.7	11.8	9.3	7.8	7.5	7.0	20	860
SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2								
ZONE I tilt angle 30°	6.1 kWh/m ² day	Not actual												4	172	
		Not actual												8	344	
		Not actual												12	516	
		Not actual												16	688	
		Not actual												20	860	
ZONE I tilt angle 45°	6.1 kWh/m ² day	Not actual												4	172	
		Not actual												8	344	
		Not actual												12	516	
		Not actual												16	688	
		Not actual												20	860	