

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

Zone	Solar radiation	Total Head [m]											No. of 50 Wp modules	Power [Wp]		
		5	10	20	30	40	50	60	70	80	90	100			110	120
ZONE C tilt angle 15°	2.6 kWh/m ² day	6.1	4.8	2.8	1.3	1.1	0.9	0.8	0.6	0.4	0.3	0.1			4	200
		SQF 2.5-2				SQF 0.6-2										
		20.8	11.3	8.0	4.3	3.0	2.5	2.3	2.0	1.7	1.5	1.3	1.1	0.8	8	400
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		36.7	15.9	12.4	8.0	5.2	4.3	3.5	3.3	3.0	2.7	2.4	2.1	1.8	12	600
		SQF 8A-3	SQF 2.5-2				SQF 1.2-2	SQF 0.6-2								
		49.4	24.2	16.0	11.4	8.1	6.1	5.3	4.4	3.7	3.5	3.3	3.0	2.7	16	800
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		62.9	31.5	18.2	14.3	10.8	8.2	6.8	5.9	5.1	4.2	3.8	3.6	3.3	20	1000
		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	11.8	7.2	4.6	2.0	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4	0.2	4	200
		SQF 5A-3	SQF 2.5-2		SQF 1.2-2	SQF 0.6-2										
		31.6	14.4	11.0	6.8	4.4	3.7	3.2	2.9	2.6	2.3	2.1	1.8	1.5	8	400
		SQF 8A-3	SQF 2.5-2				SQF 1.2-2	SQF 0.6-2								
		49.0	24.1	15.9	11.4	8.1	6.1	5.2	4.4	3.7	3.5	3.3	3.0	2.6	12	600
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		65.9	33.5	18.0	14.9	11.6	9.0	6.9	6.3	5.5	4.6	4.1	3.6	3.4	16	800
		SQF 14A-3	SQF 5A-3	SQF 2.5-2					SQF 1.2-2			SQF 0.6-2				
		78.7	44.0	21.7	16.7	14.2	11.9	9.4	7.2	6.7	6.0	5.4	4.8	4.2	20	1000
		SQF 14A-3		SQF 5A-6				SQF 1.2-2				SQF 0.6-2				
ZONE C tilt angle 45°	2.6 kWh/m ² day	28.5	13.5	10.2	6.1	4.0	3.3	2.9	2.6	2.3	2.1	1.9	1.6	1.3	4	200
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2							
		61.7	31.0	17.7	14.2	10.6	8.0	6.6	5.8	5.0	4.1	3.7	3.5	3.2	8	400
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2				
		85.1	49.8	25.0	17.4	15.3	13.3	10.9	8.2	7.2	6.6	6.0	5.4	4.8	12	600
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		102	69.2	34.8	20.6	17.1	15.5	14.0	11.8	9.8	7.6	7.1	6.6	6.2	16	800
		SQF 14A-3		SQF 5A-6		SQF 2.5-2						SQF 1.2-2				
114	82.7	41.6	26.9	18.1	16.9	15.4	13.6	12.1	9.9	7.7	7.4	6.9	20	1000		
SQF 14A-3		SQF 5A-6		SQF 2.5-2						SQF 1.2-2						

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

Zone	Solar radiation	Total Head [m]												No. of 50 Wp modules	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	10.6	6.9	4.3	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.5	0.3	0.1	4	200
		SQF 5A-3	SQF 2.5-2		SQF 0.6-2											
		30.1	14.0	10.7	6.4	4.2	3.4	3.1	2.7	2.5	2.2	1.9	1.6	1.4	8	400
		SQF 8A-3	SQF 2.5-2		SQF 1.2-2		SQF 0.6-2									
		47.7	22.9	15.6	10.9	7.6	5.8	5.0	4.1	3.7	3.4	3.3	2.9	2.5	12	600
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		64.5	32.4	18.5	14.7	11.1	8.5	6.9	6.1	5.2	4.4	3.8	3.6	3.4	16	800
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2				
		77.5	40.9	20.5	16.9	14.1	11.4	8.9	7.3	6.6	5.9	5.2	4.4	3.8	20	1000
		SQF 14A-3		SQF 5A-6					SQF 1.2-2							
ZONE D tilt angle 30°	3.2 kWh/m ² day	17.4	9.8	6.8	3.4	2.4	2.1	1.9	1.7	1.5	1.3	1.1	0.8	0.6	4	200
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		43.1	20.0	14.3	9.7	6.6	5.2	4.4	3.6	3.4	3.2	2.9	2.5	2.2	8	400
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2							
		65.2	33.0	18.1	14.8	11.4	8.8	6.9	6.2	5.4	4.5	3.9	3.6	3.4	12	600
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2				
		81.7	46.3	23.1	17.1	14.7	12.6	10.0	7.5	7.0	6.3	5.7	5.0	4.4	16	800
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		94.7	60.6	30.5	18.6	16.3	14.7	12.8	10.4	8.2	7.1	6.7	6.2	5.6	20	1000
		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	200	
														8	400	
														12	600	
														16	800	
														20	1000	

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

Zone	Solar radiation	Total Head [m]												No. of 50 Wp modules	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE E tilt angle 15°	3.8 kWh/m² day	14.8	8.8	5.9	2.7	2.1	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4	4	200
		SQF 5A-3	SQF 2.5-2			SQF 0.6-2										
		38.8	16.9	13.0	8.5	5.6	4.6	3.8	3.4	3.1	2.8	2.6	2.2	1.9	8	400
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2							
		59.5	29.6	17.9	13.5	10.0	7.5	6.4	5.5	4.7	3.9	3.7	3.4	3.2	12	600
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2					
		76.5	39.7	20.1	16.8	13.8	11.1	8.7	7.2	6.6	5.8	5.1	4.3	3.8	16	800
		SQF 14A-3		SQF 2.5-2					SQF 1.2-2					SQF 0.6-2		
		89.3	53.9	27.0	18.4	16.0	14.0	11.8	8.9	7.5	6.9	6.4	5.8	5.2	20	1000
SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2								
ZONE E tilt angle 30°	3.8 kWh/m² day	23.2	12.0	8.7	4.8	3.3	2.7	2.5	2.2	1.9	1.7	1.5	1.2	1.0	4	200
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		53.5	26.4	16.7	12.3	8.9	6.6	5.7	4.8	4.0	3.7	3.5	3.2	2.9	8	400
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		77.4	41.3	20.6	16.7	14.1	11.5	8.9	7.2	6.6	5.9	5.2	4.5	3.9	12	600
		SQF 14A-3		SQF 5A-6					SQF 1.2-2							
		94.1	59.8	30.0	18.8	16.4	14.7	12.7	10.2	7.9	7.1	6.7	6.2	5.6	16	800
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		108	75.2	37.7	23.3	17.9	16.2	14.6	12.7	10.8	8.5	7.4	7.0	6.5	20	1000
SQF 14A-3		SQF 5A-6	SQF 2.5-2						SQF 1.2-2							
ZONE E tilt angle 45°	3.8 kWh/m² day	Not actual												4	200	
		Not actual												8	400	
		Not actual												12	600	
		Not actual												16	800	
		Not actual												20	1000	

Zone	Solar radiation	Total Head [m]												No. of 50 Wp modules	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	19.0	10.5	7.4	3.7	2.6	2.3	2.1	1.8	1.6	1.4	1.2	0.9	0.6	4	200
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		46.2	21.9	15.2	10.5	7.3	5.6	4.8	3.9	3.6	3.4	3.2	2.8	2.4	8	400
		SQF 8A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		69.7	35.4	19.3	15.6	12.2	9.6	7.3	6.6	5.9	5.0	4.2	3.8	3.6	12	600
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2					SQF 0.6-2			
		86.2	50.1	25.2	18.1	15.5	13.5	11.0	8.2	7.3	6.7	6.1	5.5	4.7	16	800
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		99.8	65.8	32.8	19.7	17.2	15.5	13.6	11.3	9.0	7.5	7.0	6.6	6.1	20	1000
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	29.2	13.8	10.5	6.2	4.1	3.3	3.0	2.7	2.4	2.1	1.9	1.6	1.3	4	200
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2								
		63.4	31.8	18.5	14.4	10.8	8.2	6.8	5.9	5.1	4.2	3.8	3.6	3.3	8	400
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2				
		86.9	51.0	25.6	18.1	15.7	13.6	11.1	8.3	7.4	6.8	6.2	5.6	4.8	12	600
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		105	71.1	35.6	21.1	17.8	15.9	14.4	12.2	10.1	7.7	7.3	6.9	6.4	16	800
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		119	85.1	42.7	27.7	19.0	17.4	15.8	14.0	12.4	10.3	7.9	7.6	7.2	20	1000
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	200	
														8	400	
														12	600	
														16	800	
														20	1000	

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

Zone	Solar radiation	Total Head [m]												No. of 50 Wp modules	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE G	tilt angle 15°	22.2	11.8	8.5	4.6	3.1	2.7	2.4	2.1	1.9	1.6	1.4	1.2	0.9	4	200
		SQF 5A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		52.5	25.7	16.9	12.0	8.6	6.4	5.6	4.7	3.9	3.7	3.5	3.2	2.8	8	400
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		76.7	39.5	20.3	16.9	13.9	11.1	8.7	7.2	6.6	5.8	5.1	4.3	3.8	12	600
		SQF 14A-3		SQF 2.5-2					SQF 1.2-2					SQF 0.6-2		
		93.3	58.6	29.2	19.1	16.5	14.6	12.6	9.8	7.7	7.2	6.7	6.2	5.6	16	800
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		109	74.2	37.1	22.5	18.3	16.3	14.7	12.6	10.7	8.1	7.5	7.0	6.6	20	1000
SQF 14A-3		SQF 5A-6		SQF 2.5-2					SQF 1.2-2							
ZONE G	tilt angle 30°	33.4	15.1	11.5	7.1	4.6	3.8	3.3	3.0	2.7	2.4	2.2	1.8	1.6	4	200
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		69.6	35.2	19.5	15.8	12.1	9.5	7.3	6.6	5.8	4.9	4.2	3.8	3.6	8	400
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2				SQF 0.6-2				
		93.1	58.2	28.9	19.3	16.7	14.7	12.6	9.7	7.7	7.2	6.7	6.2	5.6	12	600
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		113	78.3	39.1	24.3	18.8	16.8	15.2	13.3	11.3	8.8	7.7	7.3	6.8	16	800
		SQF 14A-3		SQF 5A-6		SQF 2.5-2					SQF 1.2-2					
		127	90.5	45.4	30.2	19.9	18.2	16.6	14.8	13.2	11.4	8.6	7.8	7.5	20	1000
SQF 14A-3		SQF 5A-6		SQF 2.5-2						SQF 1.2-2						
ZONE G	tilt angle 45°	Not actual												4	200	
														8	400	
														12	600	
														16	800	
														20	1000	

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

Zone	Solar radiation	Total Head [m]												No. of 50 Wp modules	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	26.8	13.1	9.9	5.6	3.8	3.1	2.8	2.5	2.2	1.9	1.7	1.4	1.2	4	200
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2	SQF 0.6-2									
		60.0	29.8	18.2	13.6	10.1	7.5	6.4	5.5	4.7	3.9	3.7	3.5	3.2	8	400
		SQF 14A-3	SQF 5A-3	SQF 2.5-2				SQF 1.2-2			SQF 0.6-2					
		83.8	46.9	23.6	18.0	15.2	12.9	10.3	7.7	7.2	6.5	5.9	5.2	4.4	12	600
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2							
		102	67.2	33.5	20.0	17.6	15.7	13.9	11.6	9.2	7.6	7.2	6.7	6.2	16	800
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		118	82.5	41.3	26.4	19.0	17.3	15.5	13.7	11.9	9.7	7.8	7.5	7.0	20	1000
		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	36.6	16.4	12.5	7.9	5.1	4.3	3.6	3.2	3.0	2.7	2.4	2.1	1.7	4	200
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2								
		74.4	37.9	20.6	16.9	13.1	10.4	8.0	7.1	6.3	5.4	4.7	4.0	3.8	8	400
		SQF 14A-3	SQF 5A-3	SQF 2.5-2					SQF 1.2-2							
		101	63.8	31.6	20.3	17.7	15.6	13.6	10.8	8.3	7.6	7.1	6.6	6.1	12	600
		SQF 14A-3		SQF 5A-6	SQF 2.5-2					SQF 1.2-2						
		121	83.7	41.9	26.6	19.7	18.0	16.0	14.1	12.2	9.8	8.1	7.7	7.2	16	800
		SQF 14A-3		SQF 5A-6	SQF 2.5-2						SQF 1.2-2					
		134	95.1	48.6	32.1	20.9	19.2	17.6	15.7	14.0	12.3	9.4	8.3	7.7	20	1000
		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	200	
														8	400	
														12	600	
														16	800	
														20	1000	

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

Zone	Solar radiation	Total Head [m]												No. of 50 Wp modules	Power [Wp]	
		5	10	20	30	40	50	60	70	80	90	100	110			120
ZONE I	6.1 kWh/m ² day	30.9	14.4	10.8	6.6	4.3	3.5	3.1	2.8	2.5	2.2	2.0	1.7	1.4	4	200
		SQF 8A-3	SQF 2.5-2			SQF 1.2-2		SQF 0.6-2								
		66.1	33.2	19.2	15.0	11.3	8.7	7.1	6.2	5.4	4.5	3.9	3.7	3.5	8	400
		SQF 14A-3	SQF 5A-3	SQF 2.5-2			SQF 1.2-2			SQF 0.6-2						
		89.7	54.1	26.9	18.9	16.3	14.1	11.7	8.9	7.6	7.0	6.5	5.9	5.2	12	600
		SQF 14A-3		SQF 5A-6	SQF 2.5-2				SQF 1.2-2							
		110	74.3	37.2	22.3	18.6	16.4	14.8	12.7	10.7	8.0	7.5	7.1	6.7	16	800
		SQF 14A-3		SQF 5A-6		SQF 2.5-2					SQF 1.2-2					
		124	88.0	44.1	28.9	19.7	18.0	16.3	14.5	12.9	10.8	8.1	7.8	7.4	20	1000
		SQF 14A-3		SQF 5A-6		SQF 2.5-2						SQF 1.2-2				
ZONE I	6.1 kWh/m ² day	Not actual												4	200	
														8	400	
														12	600	
														16	800	
														20	1000	
ZONE I	6.1 kWh/m ² day	Not actual												4	200	
														8	400	
														12	600	
														16	800	
														20	1000	