

North America - SQFlex Sizing Table, Performance [GPD], January

Zone	Solar radiation	Total Head [ft]												No. of 50 Wp modules	Power [Wp]			
		20	40	60	90	120	160	180	220	260	300	340	360			390		
		ZONE W tilt angle 15°, 0.3 kWh/m ² day																
		ZONE W tilt angle 30°, 0.3 kWh/m ² day																
		ZONE W tilt angle 45°, 0.3 kWh/m ² day																
		ZONE 0 tilt angle 15°, 0.9 kWh/m ² day																
		ZONE 0 tilt angle 30°, 0.9 kWh/m ² day																
ZONE 0	tilt angle 45°	0.9 kWh/m ² day	476	317	185	79.3	52.8	26.4	26.4							4	200	
			11 SQF-2				3 SQF-2											
			1590	1240	925	423	317	264	238	211	159	106	52.8	26.4	26.4	8	400	
			11 SQF-2				3 SQF-2											
			3170	2010	1610	925	555	476	449	396	317	264	211	185	132	12	600	
			25 SQF-3	11 SQF-2				3 SQF-2										
			4760	2640	2220	1450	898	687	634	555	502	423	343	317	264	16	800	
			25 SQF-3	11 SQF-2				6 SQF-2										
			6500	3200	2750	1930	1320	951	845	713	634	555	502	449	396	20	1000	
40 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2												
		ZONE A tilt angle 15°, 1.5 kWh/m ² day																
ZONE A	tilt angle 30°	1.5 kWh/m ² day	713	476	291	132	106	79.3	52.8	26.4						4	200	
			11 SQF-2				3 SQF-2											
			2110	1590	1240	608	423	370	343	291	211	159	106	79.3	52.8	8	400	
			25 SQF-3				3 SQF-2											
			4280	2560	2060	1270	793	608	581	502	449	370	291	264	211	12	600	
			25 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2									
			6310	3360	2830	1880	1240	925	819	713	608	555	476	423	370	16	800	
			40 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2									
			8300	4020	3490	2480	1720	1190	1080	872	793	713	634	581	528	20	1000	
40 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2												
ZONE A	tilt angle 45°	1.5 kWh/m ² day	1900	1510	1140	555	396	343	317	264	211	159	106	79.3	26.4	4	200	
			11 SQF-2				3 SQF-2											
			5890	3170	2670	1770	1160	845	766	661	581	528	449	396	343	8	400	
			40 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2									
			9510	4310	3830	2850	2060	1370	1270	1060	845	793	713	687	608	12	600	
			40 SQF-3	25 SQF-3				6 SQF-2			3 SQF-2							
			13100	6290	4440	3700	2910	2110	1800	1480	1270	1030	872	845	793	16	800	
			75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2						
			16000	7580	5520	4170	3540	2750	2430	1740	1530	1370	1190	1080	951	20	1000	
75 SQF-3	25 SQF-6		11 SQF-2				6 SQF-2											

Zone	Solar radiation	Total Head [ft]												No. of 50 Wp modules	Power [Wp]			
		20	40	60	90	120	160	180	220	260	300	340	360			390		
ZONE B	tilt angle 15°	925	661	423	185	159	106	79.3	52.8	26.4					4	200		
		11 SQF-2				3 SQF-2												
		2800	1980	1530	793	528	449	423	343	291	211	159	132	79.3	8	400		
		25 SQF-3	11 SQF-2				3 SQF-2											
		5200	3040	2510	1590	951	740	713	608	528	449	370	343	291	12	600		
		25 SQF-3	11 SQF-2				3 SQF-2											
		7710	3910	3360	2320	1530	1110	978	872	766	687	581	528	449	16	800		
		40 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2										
		10200	4520	4040	3010	2170	1480	1350	1080	925	872	766	713	634	20	1000		
		40 SQF-3	11 SQF-2				6 SQF-2		3 SQF-2									
ZONE B	tilt angle 30°	1400	1060	766	343	291	211	185	159	106	52.8	26.4			4	200		
		11 SQF-2				3 SQF-2												
		4250	2590	2090	1270	766	608	581	502	449	370	291	264	211	8	400		
		25 SQF-3	11 SQF-2			6 SQF-2	3 SQF-2											
		7320	3750	3200	2220	1480	1060	951	819	713	634	555	502	449	12	600		
		40 SQF-3	11 SQF-2				6 SQF-2		3 SQF-2									
		10300	4620	4070	3060	2220	1510	1370	1110	925	845	793	713	634	16	800		
		40 SQF-3	25 SQF-3				6 SQF-2		3 SQF-2									
		12900	6180	4570	3780	2930	2060	1740	1480	1220	1000	925	872	819	20	1000		
		75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2		3 SQF-2								
ZONE B	tilt angle 45°	4020	2460	1980	1190	740	581	555	476	423	343	264	238	185	4	200		
		25 SQF-3	11 SQF-2			6 SQF-2	3 SQF-2											
		9750	4360	3910	2930	2090	1400	1290	1060	898	819	740	687	608	8	400		
		40 SQF-3	11 SQF-2				6 SQF-2		3 SQF-2									
		14900	7160	4810	4070	3330	2460	2110	1660	1450	1220	1030	925	872	12	600		
		75 SQF-3	25 SQF-3	25 SQF-6				6 SQF-2		3 SQF-2								
		19400	9720	6920	4570	4040	3380	3010	2270	1800	1610	1430	1370	1240	16	800		
		75 SQF-3	25 SQF-6		11 SQF-2				6 SQF-2									
		23000	13000	8850	5520	4410	3860	3570	2930	2320	1800	1660	1610	1480	20	1000		
		75 SQF-3	25 SQF-6	11 SQF-2				6 SQF-2										

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Zone	Solar radiation	Total Head [ft]												No. of 50 Wp modules	Power [Wp]	
		20	40	60	90	120	160	180	220	260	300	340	360			390
ZONE C	tilt angle 15°	1530	1140	845	370	317	238	211	159	106	52.8	26.4			4	200
		11 SQF-2				3 SQF-2										
		4570	2800	2270	1370	819	687	634	555	476	396	317	291	211	8	400
		25 SQF-3	11 SQF-2			6 SQF-2	3 SQF-2									
		8030	3990	3430	2400	1610	1160	1030	872	793	687	608	555	476	12	600
		40 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2								
		11200	4970	4360	3300	2430	1640	1510	1220	978	925	845	793	713	16	800
		40 SQF-3	25 SQF-3				6 SQF-2			3 SQF-2						
		14300	6760	4910	4040	3170	2250	1880	1640	1350	1080	978	951	872	20	1000
		75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2					
ZONE C	tilt angle 30°	2430	1770	1350	687	476	396	370	317	238	185	132	106	52.8	4	200
		25 SQF-3	11 SQF-2			3 SQF-2										
		6870	3620	3060	2090	1370	978	898	793	687	608	528	476	423	8	400
		40 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2								
		11100	5070	4310	3300	2430	1640	1510	1220	1000	898	845	793	713	12	600
		40 SQF-3	25 SQF-3				6 SQF-2			3 SQF-2						
		15200	7290	4830	4150	3360	2460	2090	1720	1480	1220	1000	951	898	16	800
		75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2					
		18700	8880	6450	4570	3960	3220	2830	2060	1770	1560	1370	1270	1110	20	1000
		75 SQF-3	25 SQF-6		11 SQF-2			6 SQF-2								
ZONE C	tilt angle 45°	6130	3380	2850	1880	1190	898	819	713	634	528	476	423	370	4	200
		40 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2								
		14000	6630	4760	3990	3120	2220	1880	1610	1320	1080	951	925	872	8	400
		75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2					
		20400	10100	7340	4760	4230	3570	3200	2350	1900	1720	1530	1430	1270	12	600
		75 SQF-3		25 SQF-6	11 SQF-2				6 SQF-2							
		25100	14600	9910	6370	4680	4150	3910	3280	2640	1960	1820	1770	1640	16	800
		75 SQF-3		25 SQF-6	11 SQF-2				6 SQF-2							
		28300	18300	11700	8110	4910	4520	4280	3730	3220	2540	2010	1960	1850	20	1000
		75 SQF-3		25 SQF-6	11 SQF-2				6 SQF-2							

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Zone	Solar radiation	Total Head [ft]												No. of 50 Wp modules	Power [Wp]	
		20	40	60	90	120	160	180	220	260	300	340	360			390
ZONE D	3.2 kWh/m ² day	2140	1660	1270	608	449	370	343	291	211	159	106	79.3	26.4	4	200
		25 SQF-3				3 SQF-2										
		6390	3510	2960	1980	1240	925	845	740	661	555	476	449	370	8	400
		40 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2								
		10800	4760	4250	3200	2320	1560	1430	1160	978	898	819	766	687	12	600
		40 SQF-3	11 SQF-2				6 SQF-2		3 SQF-2							
		14700	7000	4990	4120	3250	2320	1960	1660	1400	1140	1000	951	898	16	800
		75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2					
18300	8670	6130	4680	3960	3090	2690	1960	1770	1530	1290	1160	1030	20	1000		
75 SQF-3	25 SQF-3	25 SQF-6					6 SQF-2									
ZONE D	3.2 kWh/m ² day	3830	2430	1930	1110	687	581	528	449	396	317	264	211	159	4	200
		25 SQF-3	11 SQF-2			6 SQF-2	3 SQF-2									
		9670	4390	3910	2880	2030	1400	1270	1000	898	819	740	661	581	8	400
		40 SQF-3	11 SQF-2				6 SQF-2		3 SQF-2							
		14900	7160	4890	4120	3330	2400	2030	1690	1430	1160	978	951	898	12	600
		75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2					
		19500	9300	6840	4700	4100	3380	2990	2170	1850	1640	1450	1320	1190	16	800
		75 SQF-3	25 SQF-6		11 SQF-2				6 SQF-2							
23100	12500	8800	5310	4520	3940	3650	2930	2190	1850	1720	1640	1510	20	1000		
75 SQF-3	25 SQF-6	11 SQF-2					6 SQF-2									
ZONE D	3.2 kWh/m ² day	Not actual												4	200	
														8	400	
														12	600	
														16	800	
														20	1000	

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Zone	Solar radiation	Total Head [ft]												No. of 50 Wp modules	Power [Wp]	
		20	40	60	90	120	160	180	220	260	300	340	360			390
ZONE E	tilt angle 15°	3170	2170	1690	925	581	502	449	396	317	264	185	159	106	4	200
		25 SQF-3	11 SQF-2				3 SQF-2									
		8530	4170	3590	2540	1740	1240	1110	925	845	740	634	581	502	8	400
		40 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2						
		13400	6290	4830	3860	2960	2060	1800	1530	1240	1000	951	925	845	12	600
		75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2					
		18000	8560	5970	4650	3910	3040	2620	1960	1740	1510	1270	1140	1000	16	800
		75 SQF-3	25 SQF-3	25 SQF-6					6 SQF-2							
		21500	10800	7870	5070	4440	3750	3410	2590	1980	1800	1640	1530	1370	20	1000
		75 SQF-3	25 SQF-6	11 SQF-2					6 SQF-2							
ZONE E	3.8 kWh/m ² day	5050	2990	2460	1530	925	740	687	608	528	449	370	317	264	4	200
		25 SQF-3	11 SQF-2				3 SQF-2									
		12000	5470	4520	3540	2640	1770	1640	1350	1080	978	898	845	766	8	400
		40 SQF-3	25 SQF-3				11 SQF-2			3 SQF-2						
		18300	8640	6160	4620	3960	3120	2690	1960	1770	1530	1320	1190	1030	12	600
		75 SQF-3	25 SQF-3		11 SQF-2				6 SQF-2							
		22900	12200	8670	5150	4520	3940	3620	2880	2140	1880	1720	1640	1510	16	800
		75 SQF-3	25 SQF-6	11 SQF-2					6 SQF-2							
		26500	16200	10700	7110	4910	4330	4070	3490	2880	2170	1930	1850	1740	20	1000
		75 SQF-3	25 SQF-6		11 SQF-2					6 SQF-2						
ZONE E	tilt angle 45°	Not actual												4	200	
														8	400	
														12	600	
														16	800	
														20	1000	

Zone	Solar radiation	Total Head [ft]												No. of 50 Wp modules	Power [Wp]	
		20	40	60	90	120	160	180	220	260	300	340	360			390
ZONE F tilt angle 15°	4.4 kWh/m ² day	4100	2590	2090	1220	740	608	581	502	423	343	291	238	185	4	200
		25 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2								
		10400	4700	4170	3060	2220	1510	1370	1110	951	898	793	740	661	8	400
		40 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2						
		16100	7770	5200	4360	3540	2620	2220	1800	1560	1290	1060	1000	951	12	600
		75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2					
		20700	9960	7400	4990	4330	3620	3220	2380	1960	1740	1560	1450	1270	16	800
		75 SQF-3	25 SQF-3		11 SQF-2				6 SQF-2							
24300	13700	9410	5810	4780	4150	3860	3170	2400	1960	1820	1740	1610	20	1000		
75 SQF-3	25 SQF-6	11 SQF-2					6 SQF-2									
ZONE F tilt angle 30°	4.4 kWh/m ² day	6210	3430	2910	1930	1190	898	819	740	634	555	476	423	370	4	200
		25 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2								
		14400	6820	4970	4070	3200	2270	1880	1640	1370	1080	978	951	898	8	400
		75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2					
		20900	10200	7500	4990	4330	3670	3280	2430	1960	1770	1590	1480	1290	12	600
		75 SQF-3	25 SQF-3		11 SQF-2				6 SQF-2							
		25500	15100	10100	6500	4890	4250	4020	3380	2720	2030	1880	1820	1720	16	800
		75 SQF-3	25 SQF-6	11 SQF-2					6 SQF-2							
29200	18900	12000	8350	5200	4650	4390	3830	3330	2620	2060	2010	1900	20	1000		
75 SQF-3	25 SQF-6	11 SQF-2					6 SQF-2									
ZONE F tilt angle 45°	4.4 kWh/m ² day	Not actual												4	200	
														8	400	
														12	600	
														16	800	
														20	1000	

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		20	40	60	90	120	160	180	220	260	300	340	360			390
ZONE G tilt angle 15°	4.9 kWh/m ² day	4910	2930	2400	1480	898	713	687	581	502	423	343	317	238	4	200
		25 SQF-3	11 SQF-2			6 SQF-2	3 SQF-2									
		11800	5280	4570	3460	2590	1720	1590	1290	1030	951	898	845	766	8	400
		40 SQF-3	25 SQF-3				6 SQF-2			3 SQF-2						
		18000	8610	5940	4700	3910	3040	2620	1960	1740	1510	1270	1140	1000	12	600
		75 SQF-3	25 SQF-3	25 SQF-6	11 SQF-2				6 SQF-2							
		22600	11800	8480	5230	4600	3940	3620	2830	2030	1880	1720	1640	1480	16	800
		75 SQF-3	25 SQF-6		11 SQF-2				6 SQF-2							
		26400	15900	10500	6870	5020	4360	4100	3490	2850	2060	1930	1850	1740	20	1000
		75 SQF-3	25 SQF-6		11 SQF-2				6 SQF-2							
ZONE G tilt angle 30°	4.9 kWh/m ² day	7190	3780	3200	2190	1400	1030	925	819	713	634	528	476	423	4	200
		40 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2								
		16100	7710	5260	4410	3510	2590	2190	1820	1560	1270	1030	1000	951	8	400
		75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2					
		22500	11600	8400	5280	4650	3940	3590	2770	2060	1880	1720	1640	1480	12	600
		75 SQF-3	25 SQF-6	11 SQF-2				6 SQF-2								
		27600	17000	11100	7370	5150	4520	4230	3650	3040	2220	2010	1930	1820	16	800
		75 SQF-3	25 SQF-6		11 SQF-2				6 SQF-2							
31200	20300	12800	9040	5470	4860	4600	4070	3510	2910	2110	2060	2010	20	1000		
75 SQF-3	25 SQF-6		11 SQF-2				6 SQF-2									
ZONE G tilt angle 45°	4.9 kWh/m ² day	Not actual												4	200	
														8	400	
														12	600	
														16	800	
														20	1000	

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		20	40	60	90	120	160	180	220	260	300	340	360			390
ZONE H tilt angle 15°	5.5 kWh/m ² day	5790	3280	2750	1770	1060	819	766	687	608	502	423	370	317	4	200
		25 SQF-3	11 SQF-2				3 SQF-2									
		13500	6310	4910	3880	2990	2060	1800	1530	1240	1030	978	925	872	8	400
		75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2				3 SQF-2				
		20000	9540	7000	4970	4250	3460	3060	2190	1900	1690	1510	1370	1190	12	600
		75 SQF-3	25 SQF-6		11 SQF-2				6 SQF-2							
		24600	14000	9590	5970	4860	4200	3910	3250	2480	1980	1850	1770	1660	16	800
		75 SQF-3		25 SQF-6	11 SQF-2					6 SQF-2						
		28800	18200	11600	7980	5230	4620	4330	3780	3200	2460	2030	1980	1880	20	1000
		75 SQF-3		25 SQF-6		11 SQF-2				6 SQF-2						
ZONE H tilt angle 30°	5.5 kWh/m ² day	7980	4100	3490	2380	1590	1160	1030	872	793	687	608	555	476	4	200
		40 SQF-3	11 SQF-2				6 SQF-2	3 SQF-2								
		17400	8400	5520	4730	3800	2850	2430	1930	1690	1400	1160	1060	1000	8	400
		75 SQF-3	25 SQF-3	25 SQF-6					6 SQF-2			3 SQF-2				
		24100	13100	9090	5550	4910	4170	3860	3060	2250	1980	1850	1770	1610	12	600
		75 SQF-3		25 SQF-6	11 SQF-2				6 SQF-2							
		29700	18400	11900	8030	5390	4810	4490	3860	3280	2480	2090	2030	1930	16	800
		75 SQF-3		25 SQF-6		11 SQF-2				6 SQF-2						
		33100	21400	13600	9560	5710	5130	4860	4280	3730	3120	2270	2190	2060	20	1000
		75 SQF-3		25 SQF-6		11 SQF-2					6 SQF-2					
ZONE H tilt angle 45°	5.5 kWh/m ² day	Not actual												4	200	
														8	400	
														12	600	
														16	800	
														20	1000	

Zone	Solar radiation	Total Head [ft]												No. of 50 Wp modules	Power [Wp]	
		20	40	60	90	120	160	180	220	260	300	340	360			390
ZONE I tilt angle 15°	6.1 kWh/m ² day	6580	3590	3010	2010	1270	951	872	766	687	581	502	449	370	4	200
		40 SQF-3	11 SQF-2			6 SQF-2	3 SQF-2									
		15100	7190	5180	4250	3330	2380	2010	1720	1430	1160	1000	978	925	8	400
		75 SQF-3	25 SQF-3	11 SQF-2				6 SQF-2			3 SQF-2					
		21600	10600	7870	5180	4540	3800	3430	2560	2010	1820	1660	1560	1370	12	600
		75 SQF-3	40 SQF-3		11 SQF-2				6 SQF-2							
		26700	15900	10500	6840	5100	4410	4120	3510	2850	2090	1960	1880	1770	16	800
		75 SQF-3		25 SQF-6		11 SQF-2				6 SQF-2						
		30600	19600	12400	8670	5420	4830	4540	3960	3430	2750	2090	2060	1980	20	1000
75 SQF-3		25 SQF-6		11 SQF-2				6 SQF-2								
ZONE I tilt angle 30°	6.1 kWh/m ² day	Not actual												4	200	
														8	400	
														12	600	
														16	800	
														20	1000	
ZONE I tilt angle 45°	6.1 kWh/m ² day	Not actual												4	200	
														8	400	
														12	600	
														16	800	
														20	1000	