

SQ Flex Sizing Table - El Paso, Texas Sharp, NE-175UC1, 175 Watt Panels												
Head (ft)	100	200	300	400	500	600	700	800	Number of Panels	Power (Pmax) (watts)	Maximum Open Circuit Voltage (Voc)	Number of Panels in Series
GPD	3580	2005	1524	1022					2	350	88.8	2
GPM	8.2	4.7	3.6	2.6								
Model	11SQF-2	6SQF-2	6SQF-2	6SQF-3								
Cable	14	12	10	10								
GPD	5386	2658	2372	1786	1202	1043			3	525	133.2	3
GPM	11.8	5.5	5.5	4.2	2.6	2.6						
Model	11SQF-2	6SQF-2	6SQF-3	6SQF-3	3SQF-3	3SQF-3						
Cable	14	14	12	12	10	10						
GPD	6382	4298	2872	2446	1950	1294	954	505	4	700	177.6	4
GPM	12.5	10.0	5.8	5.6	4.7	2.7	2.6	1.5				
Model	11SQF-2	11SQF-2	6SQF-3	6SQF-3	6SQF-3	3SQF-3	6SQF-3	6SQF-3				
Cable	14	14	14	12	12	10	10	10				
GPD	10448	5622	3289	2967	2552	2182	1759	1284	6	1050	266.4	6
GPM	24.7	12.0	5.9	5.7	5.5	5.2	4.6	3.5				
Model	25SQF-7	11SQF-2	6SQF-3	6SQF-3	6SQF-3	6SQF-3	6SQF-3	6SQF-2				
Cable	14	14	14	14	14	12	12	12				
GPD	11182	6303	4216	3202					8	1400	177.6	4
GPM	22.9	12.0	10.6	5.7								
Model	25SQF-7	11SQF-2	11SQF-2	6SQF-3								
Cable	14	12	10	10								
GPD	14846	7730	3704	3469	3233	2895	2539	2216	12	2100	266.4	6
GPM	27.7	14.5	5.9	568.0	5.5	5.2	4.9	4.6				
Model	25SQF-7	6SQF-3	6SQF-3	6SQF-3	6SQF-3	6SQF-3	6SQF-3	6SQF-3				
Cable	14	14	12	12	10	10	8	8				

This chart can be used to select an SQ Flex Solar pumping system for El Paso, Texas and will approximate the performance for the SQ Flex systems through out our sales territory. The chart is based on the maximum daily flow rate. For specific computerized system sizing, please call our office. Using the Grundfos Win Caps computer aided sizing program we can custom size the pumping system that best fits your needs.

The cable sizing allows for a 5% voltage drop.