

SunPumps Brushless DC Submersible

MODEL SCS 14-70

1/2 HP Motor

PSI	TDH Feet	TDH Meters	Pump Voltage	Pump Amps	U.S. GPM	LPM	Motor Watts	Panel Watts *	System Efficiency
0	0	0.0	30	6.12	17.0	64.3	184	230	0%
5	12	3.5	30	6.11	15.2	57.5	183	229	18%
10	23	7.0	30	5.84	13.2	50.0	175	219	33%
15	35	10.6	30	5.14	10.1	38.2	154	193	43%
20	46	14.1	30	5.14	5.7	21.6	154	193	32%
25	58	17.6	30	4.17	0.0	0.0	125	156	0%

Suggested solar module array: 4-53 to 60 watt modules wired in 2 parallel strings of 2 in series.

PSI	TDH Feet	TDH Meters	Pump Voltage	Pump Amps	U.S. GPM	LPM	Motor Watts	Panel Watts *	System Efficiency
0	0	0.0	45	9.85	24.2	91.6	443	554	0%
5	12	3.5	45	9.83	23.0	87.1	442	553	11%
10	23	7.0	45	9.81	21.5	81.4	441	552	21%
15	35	10.6	45	9.74	20.0	75.7	438	548	30%
20	46	14.1	45	9.62	18.0	68.1	433	541	36%
25	58	17.6	45	9.41	16.0	60.6	423	529	41%
30	69	21.1	45	9.07	13.5	51.1	408	510	43%
35	81	24.6	45	8.58	10.5	39.7	386	483	41%
40	92	28.2	45	7.91	7.0	26.5	356	445	34%
45	104	31.7	45	7.02	2.4	9.1	316	395	15%
50	116	35.2	45	6.44	0.0	0.0	290	362	0%

* Peak Panel Watts using a 20% deration factor.

Suggested solar module array: 6-80 to 90 watt modules wired in 2 parallel strings of 3 in series.