

## *SunPumps Brushless DC Submersible*

### **MODEL SCS 18-45**

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	5.15	23.0	87.1	155	193	0%
5	12	3.5	30	5.29	18.6	70.4	159	198	26%
10	23	7.0	30	5.30	13.5	51.1	159	199	37%
15	35	10.6	30	4.62	5.6	21.2	139	173	26%
20	46	14.1	30	3.30	0.0	0.0	99	124	0%

Suggested solar module array: 4-53 to 60 watt modules wired in 2 parallel strings of 2 in series, or.  
2-100 to 120 watt modules wired 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	8.00	33.0	124.9	360	450	0%
5	12	3.5	45	8.10	30.0	113.6	365	456	18%
10	23	7.0	45	8.36	26.5	100.3	376	470	31%
15	35	10.6	45	8.55	22.5	85.2	385	481	38%
20	46	14.1	45	8.44	17.7	67.0	380	475	41%
25	58	17.6	45	7.92	12.0	45.4	356	446	37%
30	69	21.1	45	7.21	6.0	22.7	324	406	24%
35	81	24.6	45	6.21	0.0	0.0	279	349	0%

\* Peak Panel Watts using a 20% deration factor.

Suggested solar module array: 6-75 to 80 watt modules wired in 2 parallel strings of 3 in series.