

SunPumps Brushless DC Submersible **MODEL SCS 3-200**

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	5.85	4.2	15.9	176	0%	0%
10	23	7.0	30	5.87	3.8	14.4	176	9%	9%
20	46	14.1	30	5.87	3.4	12.7	176	17%	17%
30	69	21.1	30	5.83	2.9	11.0	175	22%	22%
40	92	28.2	30	5.70	2.4	9.1	171	24%	24%
50	116	35.2	30	5.49	1.8	6.8	165	24%	24%
60	139	42.3	30	5.04	1.0	3.8	151	17%	17%
70	162	49.3	30	4.38	0.0	0.0	131	0%	0%

Suggested solar module array: 2-85 to 90 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	9.23	5.7	21.7	415	0%	0%
10	23	7.0	45	9.23	5.5	20.8	415	6%	6%
20	46	14.1	45	9.25	5.3	19.9	416	11%	11%
30	69	21.1	45	9.26	5.0	18.9	417	16%	16%
40	92	28.2	45	9.24	4.7	17.8	416	20%	20%
50	116	35.2	45	9.21	4.4	16.7	414	23%	23%
60	139	42.3	45	9.17	4.0	15.1	413	25%	25%
70	162	49.3	45	9.10	3.6	13.6	410	27%	27%
80	185	56.3	45	8.98	3.2	12.1	404	28%	28%
90	208	63.4	45	8.78	2.8	10.4	395	27%	27%
100	231	70.4	45	8.55	2.3	8.7	385	26%	26%
110	254	77.5	45	8.20	1.8	6.8	369	23%	23%
120	277	84.5	45	7.82	1.3	4.9	352	19%	19%
130	300	91.6	45	7.30	0.7	2.6	329	12%	12%
140	323	98.6	45	6.78	0.0	0.0	305	0%	0%

* Peak Panel Watts using a 20% deration factor.

Suggested solar module array: 6-70 to 80 watt modules wired in 2 parallel strings of 3 in series.