

SunPumps Brushless DC Submersible Model SCS 2-280

PSI	TDH Feet	TDH Meters	Pump Voltage	Pump Amps	U.S. GPM	LPM	Motor Watts	Panel Watts *	System Efficiency
0	0	0.0	30	6.8	3.8	14.4	203	254	0%
10	23	7.0	30	6.8	3.5	13.2	203	254	7%
20	46	14.1	30	6.8	3.2	12.1	203	254	14%
30	69	21.1	30	6.8	2.9	11.0	203	254	19%
40	92	28.2	30	6.7	2.6	9.7	201	251	22%
50	116	35.2	30	6.6	2.2	8.3	198	247	24%
60	139	42.3	30	6.4	1.8	6.8	192	240	25%
70	162	49.3	30	6.1	1.3	4.9	182	228	22%
80	185	56.3	30	5.6	0.8	2.8	167	208	16%
90	208	63.4	30	5.0	0.0	0.0	151	189	0%

Suggested solar module array: 2-120 to 140 watt modules wired in series.

PSI	TDH Feet	TDH Meters	Voltage	Amps	U.S. GPM	LPM	Watts In	Panel Watts *	System Efficiency
0	0	0.0	45	10.7	5.5	20.6	480	600	0%
10	23	7.0	45	10.7	5.3	19.9	481	601	5%
20	46	14.1	45	10.7	5.0	19.0	482	602	9%
30	69	21.1	45	10.7	4.8	18.1	482	602	13%
40	92	28.2	45	10.7	4.5	17.2	481	601	16%
50	116	35.2	45	10.7	4.3	16.2	480	600	19%
60	139	42.3	45	10.6	4.0	15.1	479	599	22%
70	162	49.3	45	10.6	3.7	14.0	476	595	24%
80	185	56.3	45	10.6	3.4	12.9	475	593	25%
90	208	63.4	45	10.5	3.1	11.7	470	588	26%
100	231	70.4	45	10.3	2.8	10.6	463	579	26%
110	254	77.5	45	10.1	2.5	9.5	456	570	26%
120	277	84.5	45	9.9	2.2	8.3	445	556	26%
130	300	91.6	45	9.6	1.9	7.2	433	542	25%
140	323	98.6	45	9.3	1.5	5.8	418	522	22%
150	347	105.6	45	8.9	1.1	4.2	400	500	18%
160	370	112.7	45	8.4	0.6	2.3	379	474	11%
170	393	119.7	45	7.8	0.0	0.0	349	437	0%

* Peak panel watts using a 20% deration factor.

Suggested solar module array: 6-90 to 100 watt modules wired in 2 parallel strings of 3 in series, or
12-48 to 53 watt modules wired in 4 parallel strings of 3 in series.

||

||