SunPumps™
SOLAR PUMPING PRODUCTS

.8 to 3.5 GPM
7.5 to 14 LPM

Quality First!

SDS SERIES
DC SUBMERSIBLE PUMPS

SunPumps SDS series submersible pumps are highly efficient, low voltage, DC powered, diaphragm type positive displacement pumps designed specifically for water delivery in remote locations.

They operate on 12 to 30 volts of DC current that may be supplied from a variety of independent power sources including solar panels, wind generators, batteries or any combination of the three. Power requirements can be as little as 35 watts.

Constructed of marine grade bronze and 304 stainless steel, these pumps are the highest quality submersible pumps in their class.

D-Series (Duplex)
3.8” (96mm) O.D.
10.75” (273mm) Ht.
14 lbs. (6.4kg) Wt.

Suitable for installation in 4” (100mm) inside diameter and larger wells.

Flow rates up to 2 GPM (7.5 LPM), and heads up to 230 feet (70.1 meters).

(See chart on back)

Q-Series (Quad)
4.5” (114mm) O.D.
12.25” (311mm) Ht.
17.5 lbs. (7.9kg) Wt.

Suitable for installation in 5” (127mm) inside diameter and larger wells.

Flow rates up to 3.7 GPM (14 LPM), and heads up to 100 feet (30 meters).

(See chart on back)

SunPumps SDS series pumps can be installed below the water level in a pond, river or cistern, or installed by hand into a ground water well. They can be used to fill an open tank or in a pressurized water delivery system.

Simplicity is the key feature of the SDS series pumps. They are easy to install, require very little maintenance and are repairable.

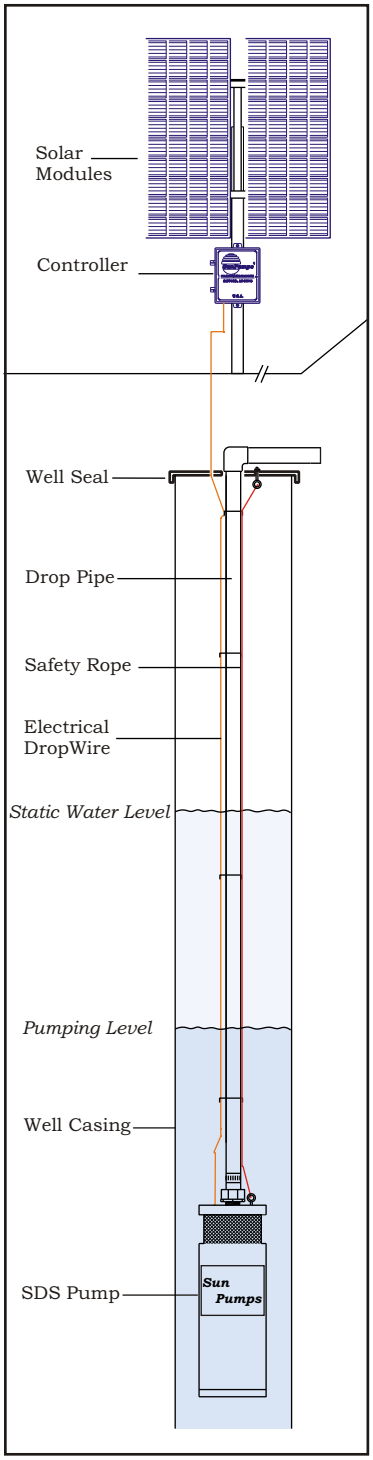
SunPumps SDS series pumps are designed for use in stand alone water delivery systems. They are pollution-free, corrosion-free, self-lubricating and quiet. It is the ideal way to provide water for remote homes, campsites, livestock, small farms or for many other needs beyond the commercial power grid.

Independent Water Pumping Systems

Duplex		SDS-D-128								
TOTAL DYNAMIC HEAD		FLOW RATES		CURRENT	FIXED ARRAY 6 HRS.		TRACKING 8 HRS.		TRACKING 10 HRS.	
FEET	METERS	GPM	LPM	AMPS	GPD	LPD	GPD	LPD	GPD	LPD
0	0.0	2.05	7.8	1.6	738	2793	984	3724	1230	4656
10	3.0	1.97	7.5	1.8	709	2684	946	3597	1182	4474
20	6.1	1.90	7.2	1.9	684	2589	912	3452	1140	4315
30	9.1	1.83	6.9	2.0	659	2494	878	3325	1098	4156
40	12.2	1.78	6.8	2.1	641	2425	854	3234	1068	4042
50	15.2	1.73	6.6	2.2	632	2357	830	3143	1038	3929
60	18.3	1.69	6.4	2.4	608	2303	811	3070	1014	3838
70	21.3	1.65	6.3	2.5	594	2248	792	2998	990	3747
80	24.4	1.62	6.1	2.6	583	2207	778	2943	972	3679
90	27.4	1.60	6.1	2.8	576	2180	768	2907	960	3634
100	30.5	1.58	6.0	2.9	569	2153	758	2871	948	3588
110	33.5	1.57	6.0	3.0	565	2139	754	2852	942	3565
115	35.1	1.55	5.9	3.1	558	2112	744	2816	930	3250

Duplex		SDS-D-228								
TOTAL DYNAMIC HEAD		FLOW RATES		CURRENT	FIXED ARRAY 6 HRS.		TRACKING 8 HRS.		TRACKING 10 HRS.	
FEET	METERS	GPM	LPM	AMPS	GPD	LPD	GPD	LPD	GPD	LPD
0	0.0	1.37	5.2	1.2	493	1867	658	2489	822	3111
20	6.1	1.27	4.8	1.3	457	1731	610	2307	762	2884
40	12.2	1.19	4.5	1.5	428	1621	571	2162	714	2702
60	18.3	1.13	4.3	1.7	407	1540	542	2053	678	2566
80	24.4	1.08	4.1	1.8	389	1472	518	1962	648	2453
100	30.5	1.03	3.9	2.0	371	1403	494	1871	618	2339
120	36.6	1.00	3.8	2.2	356	1349	475	1799	594	2248
140	42.7	.95	3.6	2.3	342	1294	456	1726	570	2157
160	48.8	.92	3.5	2.5	331	1254	442	1671	552	2089
180	54.9	.88	3.4	2.8	317	1199	422	1599	928	1998
200	61.0	.86	3.3	2.9	310	1172	413	1562	516	1953
220	67.1	.83	3.2	3.0	299	1131	398	1508	798	1885
230	70.1	.82	3.1	3.1	295	1117	394	1490	492	1862

Quad		SDS-Q-128								
TOTAL DYNAMIC HEAD		FLOW RATES		CURRENT	FIXED ARRAY 6 HRS.		TRACKING 8 HRS.		TRACKING 10 HRS.	
FEET	METERS	GPM	LPM	AMPS	GPD	LPD	GPD	LPD	GPD	LPD
0	0.0	3.70	14.0	1.6	1322	5042	1776	6722	2220	8403
10	3.0	3.55	13.4	1.7	1278	4837	1704	6450	2130	8062
20	6.1	3.40	12.9	2.0	1224	4633	1632	6177	2040	7721
30	9.1	3.28	12.4	2.1	1181	4469	1574	5959	1968	7449
40	12.2	3.16	12.0	2.4	1138	4306	1517	5741	1896	7176
50	15.2	3.08	11.7	2.6	1109	4197	1478	5596	1848	6995
60	18.3	3.00	11.4	2.9	1080	4088	1440	5450	1800	6813
70	21.3	2.90	11.0	3.1	1044	3952	1392	5269	1740	6586
80	24.4	2.84	10.8	3.4	1022	3870	1363	5160	1704	6450
90	27.4	2.78	10.5	3.6	1001	3788	1334	5051	1668	6313
100	30.5	2.70	10.2	3.9	972	3679	1296	4905	1620	6132



GPM = U.S. Gallons Per Minute
GPD = U.S. Gallons Per Day
LPM = Liters Per Minute
LPD = Liters Per Day

NOTE: Outputs will vary according to area sun insolation, panel current and system voltage.
Chart based on solar panels as the power source.
Single panel, 12 or 24 volt battery operations will reduced outputs.

Minimum Recommended Solar Module Sizes

Non shaded areas - Two 50 to 60 watt modules wired in series.

Shaded areas - Two 60 to 70 watt modules wired in series.

Shaded areas - Two 70 to 80 watt modules wired in series.