



20 to 120 GPM
76 to 455 LPM

Quality First!

SCP Series Solar Powered Centrifugal Pool Pumps



Sun Pumps manufactures a variety of DC powered centrifugal surface pumps. Among the most popular are the SCP series pool pumps. They will replace almost any AC powered pool pump and because they get their power from the sun, you will save on your power bill. They are available from 1/2 to 3 horse power and operate on 100 to 3000 watts of DC power.

Sun Pumps SCP series pool pumps are equipped with heavy duty permanent magnet, DC motors with long-life brushes. The motors are close-coupled to the pump end thus eliminating the need for base plates, belts and pulleys.

The SCP series pumps are single stage centrifugal type constructed from high

performance thermoplastic. They are extremely resistant to mineral and algae deposits while providing outstanding strength and durability. For added protection, a basket strainer is incorporated into the suction side of the pump. Simplicity is a key feature of the SCP series pumps. They are simple to install and field servicing is easily accomplished without the use of specialized tools.

Sun Pumps SCP series pumps can not only be used for pool water filtration, but for fountains, water features, pond aeration, circulating water for aqua culture or to irrigate small farms. They were designed for use as a stand-alone water delivery system. They are pollution-free, corrosion free, self-lubricating and quiet. There is no better way to provide water for remote homes, villages, small farms as well as many other needs beyond commercial grid power. Sun Pumps trademark high -quality manufacturing make the SCP series pumps the ultimate in DC powered pool pumps.

**For more products and services
check our web site on-line at:
www.sunpumps.com**

**For free system sizing, technical
support, or to place an order call:**

Phone:

(928) 348-9652

Fax:

(928) 348-9653

**Independent Water
Pumping Systems**

Made In America

Solar Pool Pumps Sizing Chart

System Number	Total Dyn. Head Feet	Pool Volume Gallons	Average Gallons Per Day Pumped	Peak Flow Rate GPM	Pump Model	Total Power Required Watts	Solar Panel Watts	Qty. Solar Panels	Nominal Operating Voltage
1	5	10,000	14,760	41	SCP 44-23-05	150	50	3	45
2	5	15,000	23,400	65	SCP 44-23-05	260	65	4	60
3	5	20,000	28,080	78	SCP 87-28-10	320	80	4	60
4	5	25,000	37,080	103	SCP 87-28-10	425	85	5	75
5	10	10,000	18,000	50	SCP 44-23-05	260	65	4	60
6	10	15,000	21,600	60	SCP 47-25-07	320	80	4	60
7	10	20,000	30,960	86	SCP 87-28-10	425	85	5	75
8	10	25,000	40,320	112	SCP 87-28-10	780	130	6	90
9	10	30,000	48,600	135	SCP 87-28-10	1120	80	14	105
10	10	35,000	51,840	144	SCP 95-35-15	1353	123	11	165
11	15	10,000	14,400	40	SCP 44-23-05	260	65	4	60
12	15	15,000	23,760	66	SCP 87-28-10	425	85	5	75
13	15	20,000	29,880	83	SCP 64-37-10	650	130	5	75
14	15	30,000	36,000	100	SCP 87-28-10	780	130	6	90
15	15	35,000	53,280	148	SCP 95-35-15	1560	130	12	180
16	20	10,000	15,120	42	SCP 64-37-10	340	85	4	75
17	20	15,000	21,600	60	SCP 44-23-05	520	130	4	60
18	20	20,000	30,960	86	SCP 70-37-10	861	123	7	105
19	20	25,000	37,440	104	SCP 70-37-10	1040	130	8	120
20	20	30,000	43,200	120	SCP 95-35-15	1353	123	11	165
21	20	40,000	52,560	146	SCP 95-35-15	1560	130	12	180
22	30	15,000	23,040	64	SCP 64-37-10	1020	170	6	90
23	30	20,000	30,960	86	SCP 70-37-10	1040	130	8	120
24	30	30,000	39,600	110	SCP 95-35-15	1560	130	12	180
25	40	15,000	20,520	57	SCP 64-37-10	1020	170	6	90
26	40	20,000	28,800	80	SCP 95-35-15	1560	130	12	180

This chart was designed for the Sun Belt area and the projections are based on a 6 kWh/m² day.
Daily pool water circulation is based on 1 1/2 water turn-overs per day.



For free system sizing, technical support, or to place an order call:

Phone: (928) 348-9652
Fax: (928) 348-9653