

W A T E R P U M P S

Optimum Total Dynamic Head	Range of Litres per Minute	Manufacturer	Model	Controller Required	Minimum Solar Array	Remarks
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Low Head Diaphragm Submersibles

30 meters	5 - 7	Shurflo	9300	Any 10 amp/24v	2 x 30 watt	Plastic, diaphragm
40 meters	2 - 10	SunPumps	SDS-T-128/138/135	PCA Series	2 x 40 watt	Triplex, Ryton/stainless, diaphragm
35 meters	2 - 16	SunPumps	SDS-Q-128/130/135	PCA Series	2 x 40 watt	Quad, bronze/stainless, diaphragm
70 meters	1 - 4	SunPumps	SDS-D-128/130/135	PCA Series	2 x 40 watt	Duplex, bronze/stainless, diaphragm

Medium Head SQ Flex Submersibles

30 meters	115 - 240	Grundfos	SQF 8A-5	IO 100/CU200	4 x 60 watt	30v to 300v AC or DC, centrifugal, 1hp
15 meters	95 - 145	Grundfos	SQF 5A-3	IO 100/CU200	4 x 60 watt	30v to 300v AC or DC, centrifugal, 1hp
65 meters	45 - 76	Grundfos	SQF 3-10	IO 100/CU200	4 x 60 watt	30v to 300v AC or DC, centrifugal, 1hp
80 meters	22 - 44	Grundfos	SQF 2.5-2	IO 100/CU200	4 x 60 watt	30v to 300v AC or DC, helical rotor, 1hp
120 meters	7 - 20	Grundfos	SQF 1.2-2	IO 100/CU200	4 x 60 watt	30v to 300v AC or DC, helical rotor, 1hp
120 meters	3 - 9	Grundfos	SQF 0.6-2	IO 100/CU200	4 x 60 watt	30v to 300v AC or DC, helical rotor, 1hp
200 meters	2 - 8	Grundfos	SQF 0.6-3	IO 100/CU200	4 x 60 watt	30v to 300v AC or DC, helical rotor, 1hp

High Head / High Volume Submersibles

20 - 167 meters	7 - 190	SunPumps	SCS Series - 0.5 HP to 2 HP range, 105vdc to 180vdc input, centrifugal submersible range			Made in Arizona, USA. Wide range of brushless DC motors and pump ends
ANY	ANY	SunPumps	New variable speed PV direct drives for any three-phase 380v to 460v pump motors up to 75 hp. Connect PV modules in series directly to AC pump motor.			~ 600vdc input - connect to existing AC pump or we can supply the pump. From 5 HP to 75 HP. Made in USA.

Controllers

SunPumps	PCA Series	<i>For all SDS Pumps</i>	Range of controllers to match pump
SunPumps	PCB Series	<i>For all SCS pumps</i>	Range of controllers to match pump
Grundfos	IO 50	<i>SQ Flex Switch Box, replaces IO100</i>	Simple On/Off switching
Grundfos	CU-200	<i>SQ Flex Switch for float, diagnos.</i>	Provides for float switch and LEDs

Float Switch for most pumps
Lightning Arrestors
Splice Kit
Submersible Cable