

AC/DC SUBMERSIBLE

Solar Water Pump



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AC/DC Solar Deep Well pump

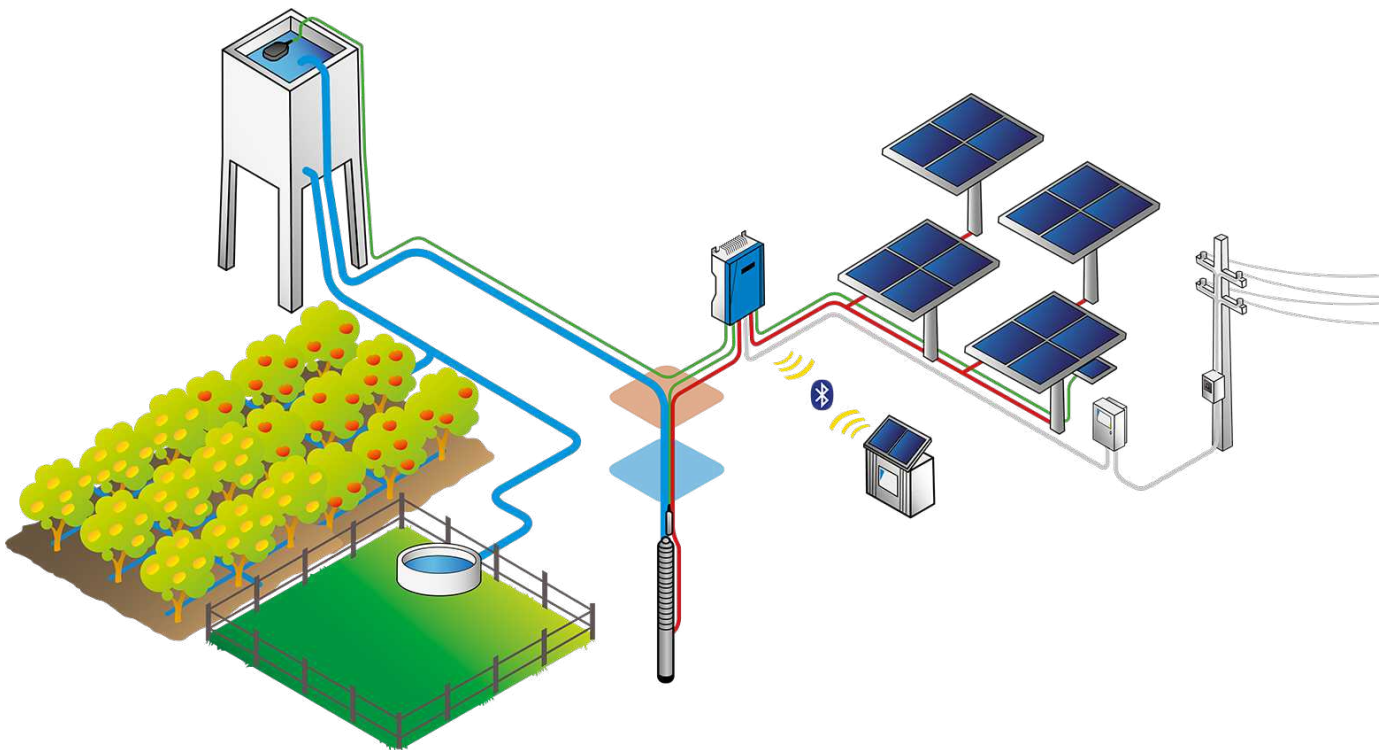
Brushless DC Motor
DSP & MPPT Controller



Product Overview

SolarMaster AC/DC Solar water pumps are high quality products designed for higher flow drinking water supply, livestock watering, pond management and irrigation applications. Each system contains a pump, a pump motor and a controller. This modular concept keeps all electronics above ground providing simple servicing, ease of access and a low cost of ownership.

- High quality non corrodible material used throughout.
- MPPT technology to maximize power use from PV panels.
- DC brushless motors, designed for solar, with over 90% efficiency.
- All water pumps with NSK bearings from Japan.
- Intelligent water shortage protection.
- Supper protection for Over-load, Under-load, Lack of water, Over-heat.
- Fast and simple installation.



3 Inch DC Submersible Solar Water Pump (Screw Type)

Model	Max Flow (M³/H)	Max Head (M)	Pump		Solar Panels		Pump Dia (Inch)	Outlet Dia (Inch)
			Voltage (V)	Power (W)	Voc (V)	Power (W)		
3SPS1.0/30-D24/80	1	30	DC24	80W	36V	120	3	0.75
3SPS1.3/50-D24/140	1.3	50	DC24	140W	36V	200	3	0.75
3SPS1.5/80-D24/210	1.5	80	DC24	210W	36V	300	3	0.75
3SPS1.5/95-D24/270	1.5	95	DC24	270W	36V	400	3	0.75
3SPS1.5/115-D48/500	1.5	115	DC48	500W	72V	750	3	0.75
3SPS2.3/80-D48/750	2.3	80	DC48	750W	72V	1125	3	0.75
3SPS2.3/120-D72/1000	2.3	120	DC72	1000W	108V	1500	3	0.75
3SPS2.3/140-D72/1300	2.3	140	DC72	1300W	108V	1950	3	0.75
4SPS3.6/80-D48/750	3.6	80	DC48	750W	72V	1125	4	1
4SPS3.8/95-D72/1000	3.8	95	DC72	1000W	108V	1500	4	1
4SPS4.2/110-D72/1300	4.2	110	DC72	1300W	108V	1950	4	1

Specifications - 3 Inch DC Submersible Solar Water Pump (Screw Type)

Pump Type	Screw Pump
Pump Body	Stainless steel AISI 304
Pump head	Stainless steel AISI 304 / Brass
Pump Screw	Stainless steel AISI 304
Bearing	High-Load Capacity bearing from Japanese NSK
Pump Shaft	Stainless steel AISI 304
Pump Motor	3”Inch High efficiency ECODRIVE brushless DC motor
Power Cable	High quality PBS-P Type cable approved for use in drinking water



Specifications

3 Inch DC Submersible Solar Water Pump (Centrifugal Impeller Type)								
Model	Max Flow (M³/H)	Max Head (M)	Pump		Solar Panels		Pump Dia (Inch)	Outlet Dia (Inch)
			Voltage (V)	Power (W)	Voc (V)	Power (W)		
3SPSC5/36-D24/300	5	36	DC24	300	40V	450	3	1.25
3SPSC5.2/46-D48/500	5.2	46	DC48	500	72V	750	3	1.25
3SPSC5.2/56-D48/600	5.2	56	DC48	600	80V	900	3	1.25
3SPSC5.5/76-D48/750	5.5	76	DC48	750	72V	1125	3	1.25
3SPSC5.5/76-D72/750	5.5	76	DC72	750	108V	1125	3	1.25
3SPSC5.8/100-D72/1100	5.8	100	DC72	1100	120V	1650	3	1.25
3SPSC5.8/100-D110/1100	5.8	100	DC110	1100	144V	1650	3	1.25
3SPSC6/128-D110/1500	6	128	DC110	1500	120V	2250	3	1.25
4SPSC5.2/46-D48/500	5.2	46	DC48	500	72V	750	4	1.5
4SPSC5.8/68-D48/750	5.8	68	DC48	750	72V	1125	4	1.5
4SPSC5.8/68-D72/750	5.8	68	DC72	750	108V	1125	4	1.5
4SPSC6/102-D72/1100	6	102	DC72	1100	120V	1650	4	1.5



Specifications

4 Inch DC Submersible Solar Water Pump (Centrifugal Impeller Type)

Model	Max Flow (M³/H)	Max Head (M)	Pump		Solar Panels		Pump Dia (Inch)	Outlet Dia (Inch)
			Voltage (V)	Power (W)	Voc (V)	Power (W)		
4SPSC6/102-D110/1100	6	102	DC110	1100	144V	1650	4	1.5
4SPSC6.2/148-D110/1500	6.2	148	DC110	1500	120V	2250	4	1.5
4SPSC7.6/82-D110/1100	7.6	82	DC110	1100	144V	1650	4	1.5
4SPSC12/30-D48/750	12	30	DC48	750	72V	1125	4	1.5
4SPSC12/45-D72/1100	12	45	DC72	1100	120V	1650	4	1.5
4SPSC12/45-D110/1100	12	45	DC110	1100	144V	1650	4	1.5
4SPSC12/62-D110/1500	12	62	DC110	1500	120V	2250	4	1.5
4SPSC20/25-D72/1100	20	25	DC72	1100	120V	1650	4	2
4SPSC20/25-D110/1100	20	25	DC110	1100	144V	1650	4	2
4SPSC20/36-D110/1500	20	36	DC110	1500	120V	2250	4	2

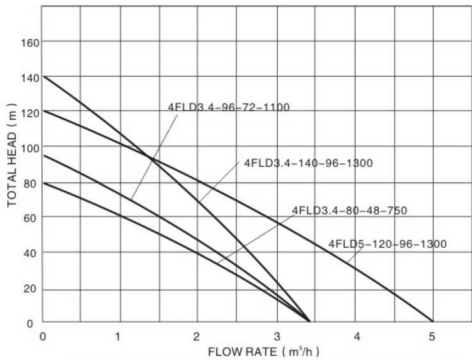
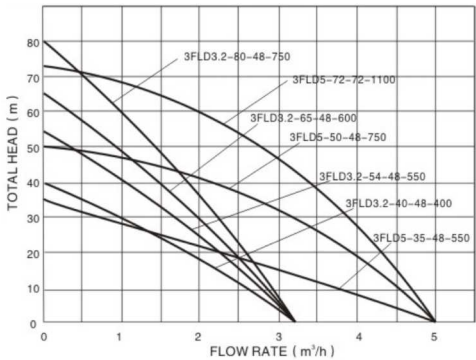
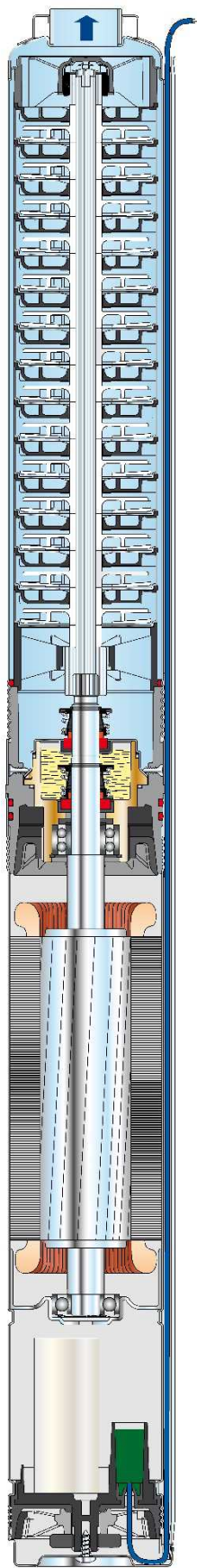


Specifications - 3 Inch DC Submersible Solar Water Pump
(Centrifugal Impeller Type)

Pump Type	Centrifugal Impeller Pump
Pump Body	Stainless steel AISI 304
Pump head	Stainless steel AISI 304 / Brass
Centrifugal Impeller	Stainless steel AISI 304
Bearing	High-Load Capacity bearing from Japanese NSK
Pump Shaft	Stainless steel AISI 304
Pump Motor	3" Inch High efficiency ECODRIVE brushless DC motor
Power Cable	High quality PBS-P Type cable approved for use in drinking water

Specifications - 4 Inch DC Submersible Solar Water Pump
(Centrifugal Impeller Type)

Pump Type	Centrifugal Impeller Pump
Pump Body	Stainless steel AISI 304
Pump head	Stainless steel AISI 304 / Brass
Centrifugal Impeller	Stainless steel AISI 304
Bearing	High-Load Capacity bearing from Japanese NSK
Pump Shaft	Stainless steel AISI 304
Pump Motor	4" Inch High efficiency ECODRIVE brushless DC motor
Power Cable	High quality PBS-P Type cable approved for use in drinking water



Hybrid AC/DC Submersible Solar Water Pump

4 Inch & 6 Inch Hybrid AC/DC Submersible Solar Pump (Centrifugal Impeller Type)

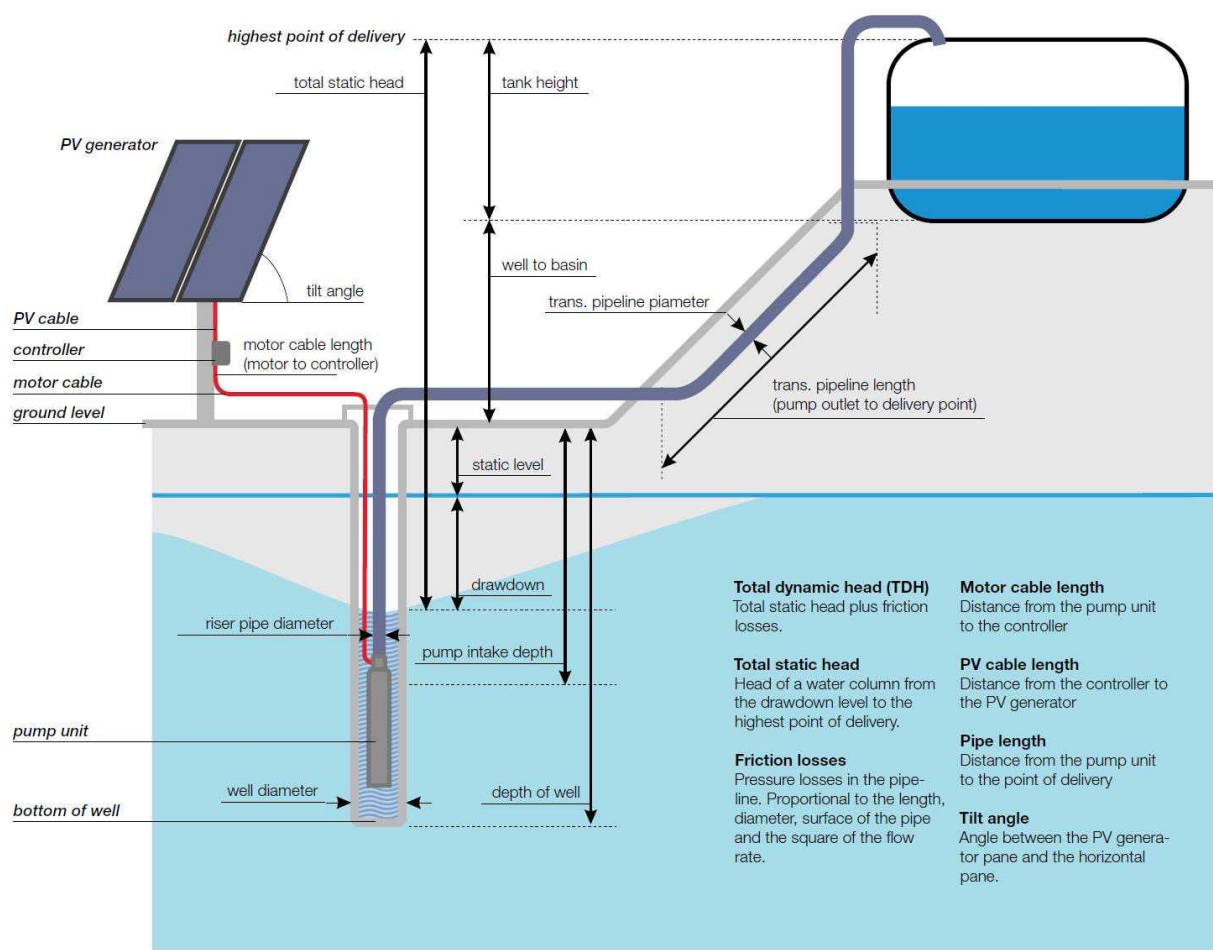
Model	Max Flow (M³/H)	Max Head (M)	Pump		Solar Panels		Pump Dia (Inch)	Outlet Dia (Inch)
			Voltage (V)	Power (KW)	Voc (Vmp)	Power (W)		
4SPSC6.2/148-A/D/1500	6.2	148	AC 220/DC 110	1.5	144V	2250	4"	1.5"
4SPSC6.5/195-A/D/2200	6.5	195	AC 220/DC 216	2.2	288V	3300	4"	1.5"
4SPSC6.5/238-A/D/3000	6.5	238	AC 220/DC 216	3.0	288V	4500	4"	1.5"
4SPSC7.6/102-A/D/1500	7.6	102	AC 220/DC 216	1.5	288V	2250	4"	1.5"
4SPSC7.6/132-A/D/2200	7.6	132	AC 220/DC 216	2.2	288V	3300	4"	1.5"
4SPSC7.6/188-A/D/3000	7.6	188	AC 220/DC 216	3.0	288V	4500	4"	1.5"
4SPSC7.6/236-A/D/4000	7.6	236	AC 380/DC 380	4.0	540V	6000	4"	1.5"
4SPSC7.6/328-A/D/5500	7.6	328	AC 380/DC 380	5.5	288V	8250	4"	1.5"
4SPSC12/62-A/D/1500	12	62	AC 220/DC 110	1.5	144V	2250	4"	1.5"
4SPSC12/125-A/D/2200	12	125	AC 220/DC 216	2.2	288V	3300	4"	1.5"
4SPSC12/160-A/D/3000	12	160	AC 220/DC 216	3.0	288V	4500	4"	1.5"
4SPSC10/205-A/D/4000	10	205	AC 380/DC 380	4.0	540V	6000	4"	1.5"
4SPSC10/268-A/D/5500	10	268	AC 380/DC 380	5.5	540V	8250	4"	1.5"
4SPSC10/358-A/D/7500	10	358	AC 380/DC 380	7.5	540V	11250	4"	1.5"
4SPSC20/36-A/D/1500	20	30	AC 220/DC 110	1.5	144V	2250	4"	2"
4SPSC20/62-A/D/2200	20	62	AC 220/DC 216	2.2	288V	3300	4"	2"
4SPSC19/100-A/D/3000	19	100	AC 220/DC 216	3.0	288V	4500	4"	2"
4SPSC19/138-A/D/4000	19	138	AC 380/DC 380	4.0	540V	6000	4"	2"
4SPSC19/180-A/D/5500	19	180	AC 380/DC 380	5.5	540V	8250	4"	2"
4SPSC19/238-A/D/7500	19	238	AC 380/DC 380	7.5	540V	11250	4"	2"
6SPSC30/56-A/D/3000	30	56	AC 220/DC 216	3.0	288V	4500	6"	3"
6SPSC30/76-A/D/4000	30	76	AC 380/DC 380	4.0	540V	6000	6"	3"
6SPSC30/100-A/D/5500	30	100	AC 380/DC 380	5.5	540V	8250	6"	3"
6SPSC30/132-A/D/7500	30	132	AC 380/DC 380	7.5	540V	11250	6"	3"
6SPSC40/40-A/D/2200	40	40	AC 220/DC 216	2.2	288V	3300	6"	3"
6SPSC40/60-A/D/3000	40	60	AC 220/DC 216	3.0	288V	4500	6"	3"
6SPSC40/80-A/D/4000	40	80	AC 380/DC 380	4.0	540V	6000	6"	3"



Hybrid AC/DC Submersible Solar Water Pump

4 Inch & 6 Inch Hybrid AC/DC Submersible Solar Pump (Centrifugal Impeller Type)

Model	Max Flow (M³/H)	Max Head (M)	Pump		Solar Panels		Pump Dia (Inch)	Outlet Dia (Inch)
			Voltage (V)	Power (KW)	Voc (Vmp)	Power (W)		
6SPSC40/100-A/D/5500	40	100	AC 380/DC 380	5.5	540V	8250	6"	3"
6SPSC40/120-A/D/7500	40	120	AC 380/DC 380	7.5	540V	11250	6"	3"
6SPSC55/35-A/D/4000	55	35	AC 380/DC 380	4.0	540V	6000	6"	4"
6SPSC55/68-A/D/5500	55	68	AC 380/DC 380	5.5	540V	8250	6"	4"
6SPSC55/96-A/D/7500	55	96	AC 380/DC 380	7.5	540V	13800	6"	4"
6SPSC49/157-D380/11000	49	157	AC 380/DC 380	11	540V	16500	6"	3"
6SPSC68/29-D380/4000	68	29	AC 380/DC 380	4.0	540V	6000	6"	4"
6SPSC68/44-D380/5500	68	44	AC 380/DC 380	5.5	540V	8250	6"	4"
6SPSC68/58-D380/7500	68	58	AC 380/DC 380	7.5	540V	11250	6"	4"
6SPSC68/78-D380/9200	68	78	AC 380/DC 380	9.2	540V	13800	6"	4"
6SPSC68/93-D380/11000	68	93	AC 380/DC 380	11	540V	16500	6"	4"



Application

Our DC Submersible Solar Water Pump can supply you clean and free water for different domestic and agriculture applications.

- Water Supply for Irrigation
- Water Supply for Drinking
- Water Supply for Domestic
- Water Supply for Animals
- Water Supply for Garden



Projects Cases

