

DC SUBMERSIBLE

Solar Water Pump



DC Solar Deep Well pump

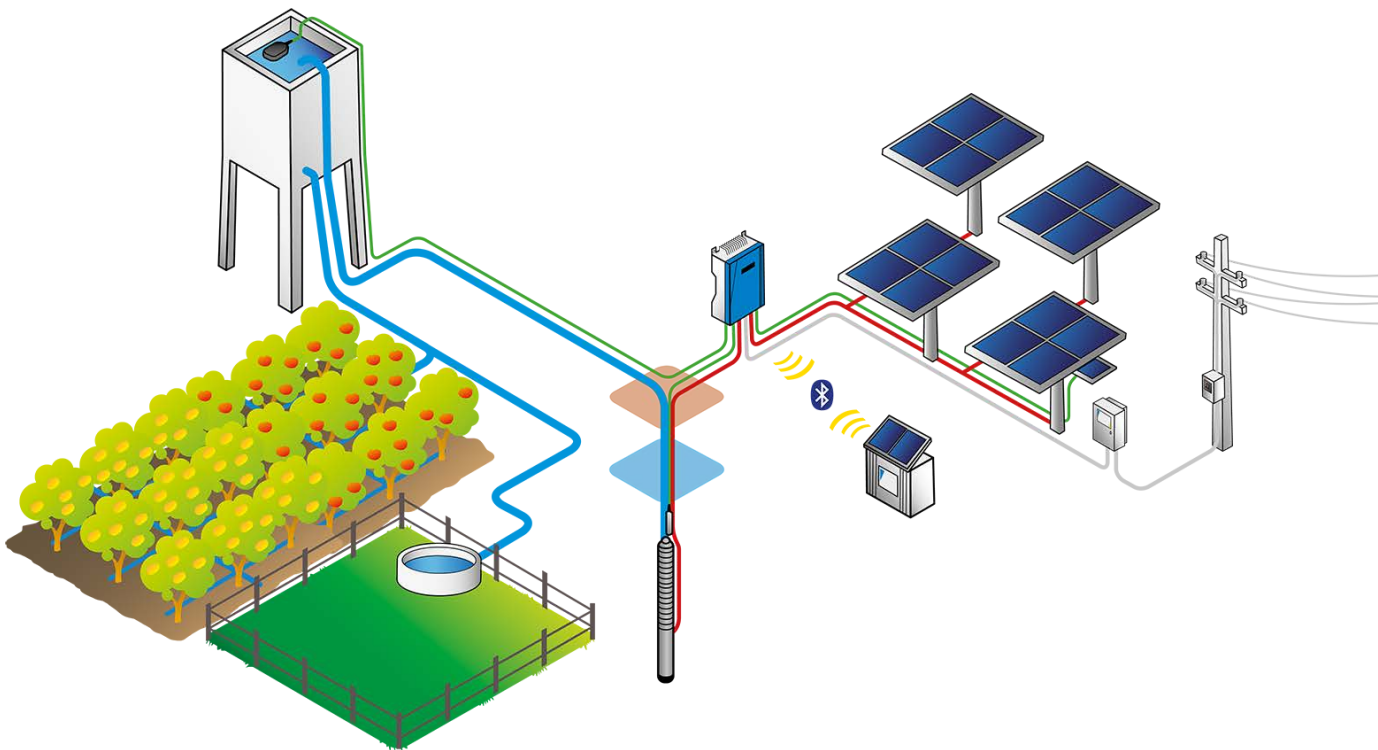
Brushless DC Motor
DSP & MPPT Controller



Product Overview

SolarMaster 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.



DC Submersible Solar Water Pump

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)		
3FLD2.5-15-24-140	0.5/2.5	9/15	DC24	140	21-50V	200	3	1
3FLD2.7-22-24-180	0.8/2.7	15/22	DC24	180	21-50V	250	3	1
3FLD3-35-24-300	2/3	16/35	DC24	300	21-50V	500	3	1
3FLD3-35-48-300	2/3	16/35	DC48	300	42-100V	500	3	1
3FLD3.2-40-48-400	1/3.2	30/40	DC48	400	42-100V	600	3	1
3FLD3.2-54-48-550	1/3.2	40/54	DC48	550	42-100V	800	3	1
3FLD5-35-48-550	2/5	22/35	DC48	550	42-100V	800	3	1
3FLD3.2-65-48-600	1/3.2	48/65	DC48	600	42-100V	800	3	1
3FLD3.2-80-48-750	3/5	33/50	DC48	750	42-100V	1000	3	1
3FLD5-50-48-750	1/3.2	80/120	DC48	750	42-100V	1000	3	1
3FLD3.2-80-72-750	1/3.2	60/80	DC72	750	42-100V	1080	3	1
3FLD5-50-72-750	3/5	33/50	DC72	750	42-100V	1080	3	1
3FLD3.2-120-72-1100	1/3.2	80/120	DC72	1100	63-150V	1500	3	1
3FLD5-72-72-1100	3/5	50/72	DC72	1100	63-150V	1500	3	1
3FLD5.4-85-96-1300	3/5.4	63/85	DC96	1300	84-200V	1720	3	1



Specifications

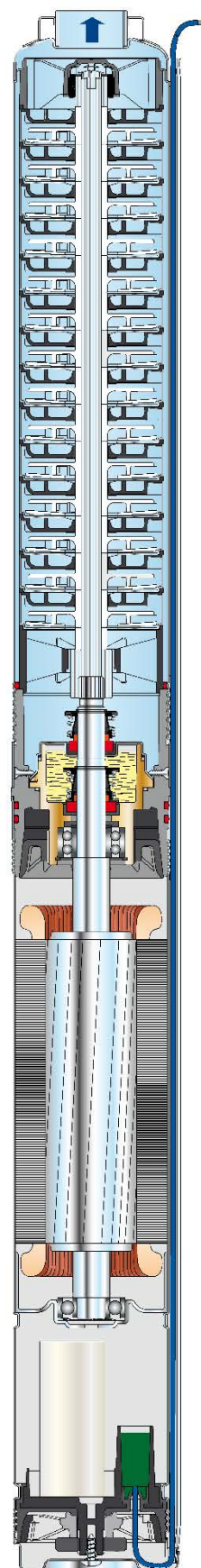
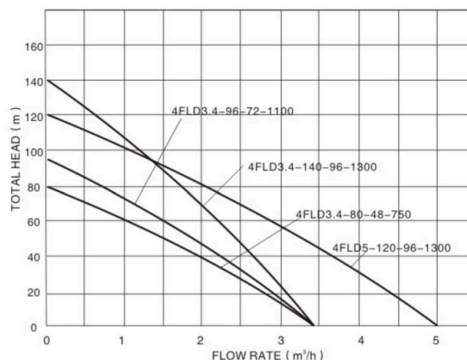
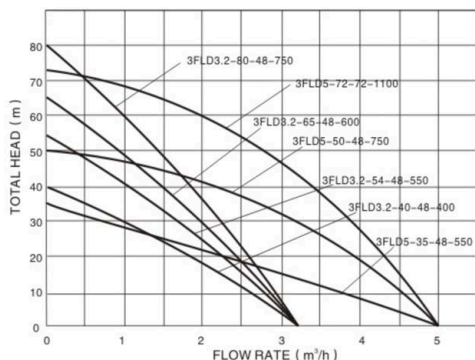
4 Inch DC Submersible Solar Water Pump (Centrifugal Impeller Type)								
Model	Max Flow (M ³ /H)	Max Head (M)	Pump		Solar Panels		Pump Dia (Inch)	Outlet Dia (Inch)
			Voltage (V)	Power (W)	Voc (V)	Power (W)		
4FLD3.4-50-48-550	1/3.4	33/50	DC48	550	42-100V	800	4	1.25
4FLD5-36-48-550	3/5	22/36	DC48	550	42-100V	800	4	1.25
4FLD7-30-48-550	4.5/7	16/30	DC48	550	42-100V	800	4	1.25
4FLD10-21-48-550	6/10	12/21	DC48	550	42-100V	800	4	1.5
4FLD3.4-80-48-750	1/3.4	60/80	DC48	750	42-100V	1000	4	1.25
4FLD5-54-48-750	3/5	40/54	DC48	750	42-100V	1000	4	1.25
4FLD7-40-48-750	4.5/7	30/40	DC48	750	42-100V	1000	4	1.25
4FLD10-32-48-750	6/10	15/32	DC48	750	42-100V	1000	4	1.5
4FLD3.4-96-72-1100	1/3.4	65/96	DC72	1100	84-200V	1500	4	1.25
4FLD5-72-72-1100	3/5	50/72	DC72	1100	84-200V	1500	4	1.25
4FLD7-60-72-1100	4.5/7	45/60	DC72	1100	84-200V	1500	4	1.25
4FLD10-43-72-1100	6/10	30/43	DC72	1100	84-200V	1500	4	1.5
4FLD18-22-72-1100	11/18	14/22	DC72	1100	84-200V	1500	4	2
4FLD34-15-72-1100	21/34	9/15	DC72	1100	84-200V	1500	4	3
4FLD3.4-140-96-1300	1/3.4	85/140	DC96	1300	84-200V	1720	4	1.25
4FLD5-120-96-1300	3/5	80/120	DC96	1300	84-200V	1720	4	1.25
4FLD7-95-96-1300	4.5/7	65/95	DC96	1300	84-200V	1720	4	1.25
4FLD10-60-96-1300	6/10	45/60	DC96	1300	84-200V	1720	4	1.5
4FLD18-33-96-1300	11/18	15/33	DC96	1300	84-200V	1720	4	2
4FLD38-18-96-1300	23/38	11/18	DC96	1300	84-200V	1720	4	3
4FLD3.7-154-96-1500	2/3.7	95/154	DC96	1500	84-200V	2400	4	1.25
4FLD5.5-132-96-1500	3/5	85/132	DC96	1500	84-200V	2400	4	1.25
4FLD7.7-105-96-1500	5/7.7	70/105	DC96	1500	84-200V	2400	4	1.25
4FLD11-66-96-1500	7/11	48/66	DC96	1500	84-200V	2400	4	1.5
4FLD20-36-96-1500	12/20	12/20	DC96	1500	84-200V	2400	4	2
6FLD42-20-96-1500	26/42	24/42	DC96	1500	84-200V	2400	6	3

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

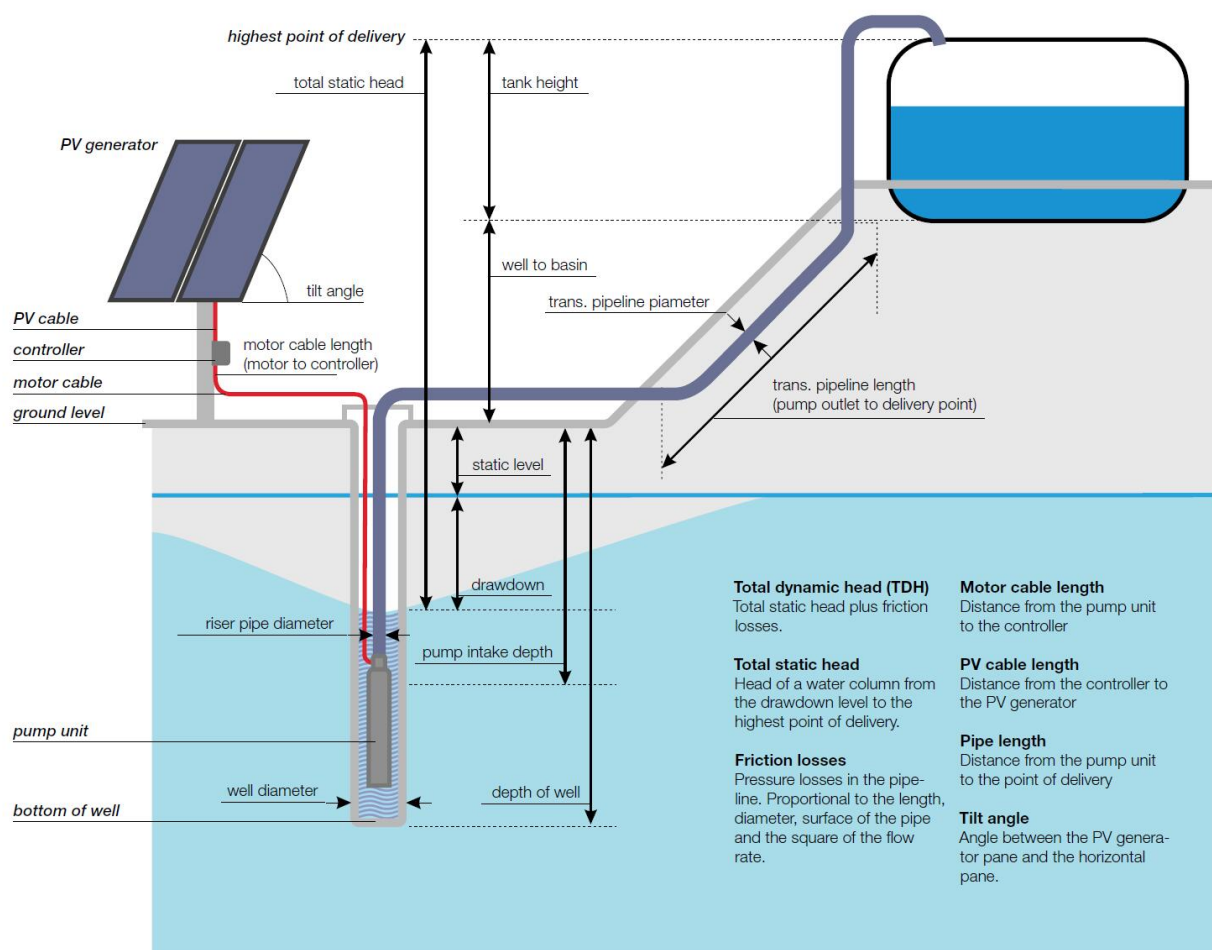
4 Inch & 6 Inch Hybrid AC/DC Submersible Solar Pump (Centrifugal Impeller Type)

Model	Max Flow (M³/H)	Max Head (M)	Pump		Solar Panels		Pump Dia (Inch)	Outlet Dia (Inch)
			Voltage (V)	Power (KW)	Voc (V)	Power (W)		
4SPSC5/185-D192/1800	5	185	AC 220/DC 192	1.8	288V	2700	4"	1.25"
4SPSC5/230-D216/2200	5	230	AC 220/DC 216	2.2	288V	3300	4"	1.25"
4SPSC5/310-D216/3000	5	310	AC 220/DC 216	3.0	288V	4500	4"	1.25"
4SPSC9/125-D216/1800	9	125	AC 220/DC 216	1.8	288V	2700	4"	1.25"
4SPSC9/158-D216/2200	9	158	AC 220/DC 216	2.2	288V	3300	4"	1.25"
4SPSC9/211-D216/3000	9	211	AC 220/DC 216	3.0	288V	4500	4"	1.25"
4SPSC13/92-D216/2200	13	92	AC 220/DC 216	2.2	288V	3300	4"	1.5"
4SPSC13/106-D216/3000	13	106	AC 220/DC 216	3.0	288V	4500	4"	1.5"
4SPSC13/148-D216/4000	13	148	AC 220/DC 216	4.0	288V	6000	4"	1.5"
4SPSC22/53-D216/1800	22	53	AC 220/DC 216	1.8	288V	2700	4"	2"
4SPSC22/62-D216/2200	22	62	AC 220/DC 216	2.2	288V	3300	4"	2"
4SPSC22/90-D216/3000	22	90	AC 220/DC 216	3.0	288V	4500	4"	2"
4SPSC25/91-D380/4000	25	91	AC 380/DC 380	4.0	540V	6000	4"	2"
4SPSC25/125-D380/5500	25	125	AC 380/DC 380	5.5	540V	8250	4"	2"
4SPSC25/168-D380/7500	25	168	AC 380/DC 380	7.5	540V	11250	4"	2"
6SPSC35/31-D216/1800	35	31	AC 220/DC 216	1.8	288V	2700	6"	3"
6SPSC35/45-D216/2200	35	45	AC 220/DC 216	2.2	288V	3300	6"	3"
6SPSC35/63-D216/3000	35	63	AC 220/DC 216	3.0	288V	4500	6"	3"
6SPSC49/15-D216/1800	49	15	AC 220/DC 216	1.8	288V	2700	6"	3"
6SPSC49/31-D216/2500	49	31	AC 220/DC 216	2.5	288V	3750	6"	3"
6SPSC49/42-D216/3000	49	42	AC 220/DC 216	3.0	288V	4500	6"	3"
6SPSC70/20-D216/2500	70	20	AC 220/DC 216	2.5	288V	3750	6"	4"
6SPSC70/32-D216/3000	70	32	AC 220/DC 216	3.0	288V	4500	6"	4"
6SPSC78/17-D216/2500	78	17	AC 220/DC 216	2.5	288V	3750	6"	4"
6SPSC78/28-D216/3000	78	28	AC 220/DC 216	3.0	288V	4500	6"	4"
6SPSC33/86-D380/5500	33	86	AC 380/DC 380	5.5	540V	8250	6"	3"
6SPSC33/101-D380/7500	33	101	AC 380/DC 380	7.5	540V	11250	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 (M ³ /H)	Max Head (M)	Pump		Solar Panels		Pump Dia (Inch)	Outlet Dia (Inch)
			Voltage (V)	Power (KW)	Voc (V)	Power (W)		
6SPSC33/158-D380/9200	33	158	AC 380/DC 380	9.2	540V	13800	6"	3"
6SPSC33/187-D380/11000	33	187	AC 380/DC 380	11	540V	16500	6"	3"
6SPSC49/71-D380/5500	49	71	AC 380/DC 380	5.5	540V	8250	6"	3"
6SPSC49/100-D380/7500	49	100	AC 380/DC 380	7.5	540V	11250	6"	3"
6SPSC49/129-D380/9200	49	129	AC 380/DC 380	9.2	540V	13800	6"	3"
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





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