



Solar Water Pump



Pump for Water, PolexTech for you.





# PolexTech Xiamen Co., Ltd

Pump for Water, PolexTech for You.

Founded in China in 2010, PolexTech Xiamen Co., Ltd designs, develops, and manufactures a new generation of solar pump systems for households and businesses.

Our design and manufacturing activities are focused in our headquarter, technology center and factory just outside of Zhejiang, one of the National High-tech Development Zone.

And our international trade branch is set up in Xiamen, China, one of the 4 largest sea port in China for international transportation.



We keep up our quality standard with an intensive 100% functional test schedule on every product we make. All products access CE, ISO 9001:2015 and ISO14001:2015 certifications.

Our goal is to foster the global energy transition and provide all families with affordable solar water pumping systems.

Being a PolexTech partner means you have a commitment that we support and protect your business development.



## Core Value

High quality, well designed products and solutions across the world.



## Vission

Made in China,  
Used in Worldwide.



## Mission

Pump for Water,  
PolexTech for You.







# PolexTech Xiamen Co., Ltd

Pump for Water, PolexTech for You.



DEEP WELL WATER INTAKE



WATER TOWER WATER SUPPLY



FARMLAND IRRIGATION



OFF-GRID AREAS



RIVER WATER INTAKE



ANIMAL HUSBANDRY

PolexTech solar water pumping systems are specified and installed correctly by our PartnerALL.

We spare no efforts to help users in remote areas and water-scarce areas in the world to solve the water shortage problem.

Global customer distribution is welcome.

## 78+ INTERNATIONAL PROJECTS



### 11KW Solar Water Pump in Australia

- ▶ Application: livestock water
- ▶ Solar panel: 300W\*45pcs
- ▶ Pump model: 6SSD30/11-11 (11KW)
- ▶ Head: 60m (196 Feet)
- ▶ Water flow: 45M3/H
- ▶ Pump type: AC centrifugal (submersible)
- ▶ Controller: outer MPPT controller



### 37KW Solar Pump System in Chile

- ▶ Application: irrigation water
- ▶ Solar panel: 385W\*144pcs\*3 systems
- ▶ Pump model: 6SRD60/16 (37KW)
- ▶ Head: 120m (394 Feet)
- ▶ Water flow: 60M3/H
- ▶ Pump type: AC centrifugal (submersible)
- ▶ Controller: outer MPPT controller



### 5.5KW Solar Pumping System in Sudan

- ▶ Application: drinking watering & irrigation
- ▶ Solar panel: 300W\*30pcs
- ▶ Pump model: 4SFD6/46-5.5 (5.5KW)
- ▶ Head: 165m (541 Feet)
- ▶ Water flow: 7.5M3/H
- ▶ Pump type: AC centrifugal (submersible)
- ▶ Controller: Outer MPPT controller

## 93+ DOMESTIC CHINA PROJECTS



### 11KW Solar Pump System in Shanxi, China

- ▶ Application: desert control
- ▶ Solar panel: 280W\*64pcs
- ▶ Pump model: 6SSD60/5-11 (11KW)
- ▶ Head: 60m (198 Feet)
- ▶ Water flow: 20M3/H
- ▶ Pump type: AC centrifugal (submersible)
- ▶ Controller: outer MPPT controller



### 4KW Solar Pump System in Xizang, China

- ▶ Application: pasture irrigation
- ▶ Solar panel: 300W\*20pcs
- ▶ Pump model: 4SFD12/19-4 (4KW)
- ▶ Head: 28m (92 Feet)
- ▶ Water flow: 23M3/H
- ▶ Pump type: AC centrifugal (submersible)
- ▶ Controller: outer MPPT controller



### 37KW 3 Systems in Xingjiang, China

- ▶ Application: forage irrigation
- ▶ Solar panel: 385W\*144pcs\*3 systems
- ▶ Pump model: 6SRD60/16 (37KW)
- ▶ Head: 120m (394 Feet)
- ▶ Water flow: 60M3/H
- ▶ Pump type: AC centrifugal (submersible)
- ▶ Controller: outer MPPT controller



## DC Helical Rotor Submersible Solar Water Pump (Outer MPPT Controller)

### Application

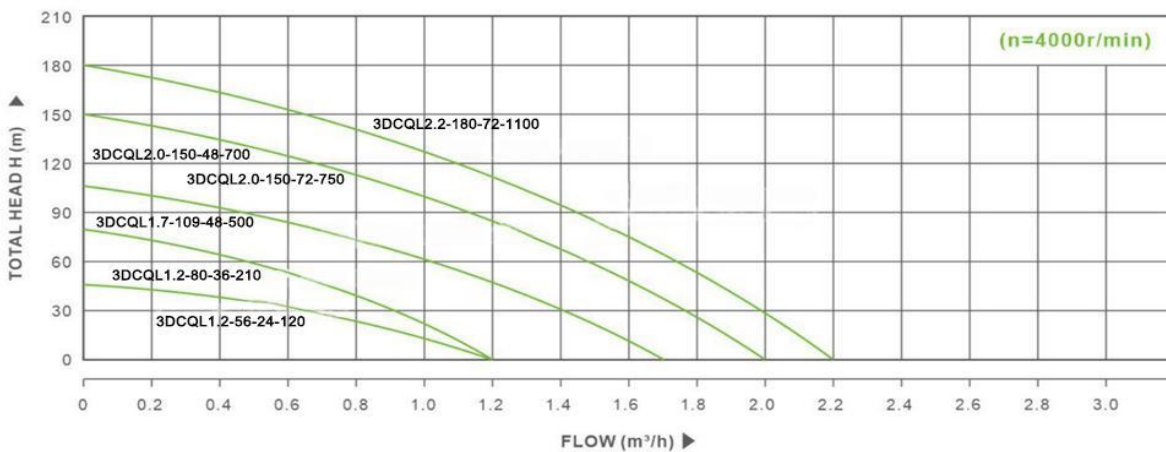
- \* Drinking water supply
- \* Livestock watering
- \* Small agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Small family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation



### Technical Data

No	Model	Pump				Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Solar Panels			Protection
		HP	Power	Input Voltage	Open Voltage					Voltage	Power	Quantity	
1	3DCQL1.2-56-24-120	0.16	120W	DC 30-48V	DC 50V	56	1.2	3	0.75	DC 36V	250W	1 PC	IP68
2	3DCQL1.2-80-36-210	0.28	210W	DC 30-48V	DC 50V	80	1.2	3	0.75	DC 36V	300W	1 PC	IP68
3	3DCQL1.7-109-48-500	0.68	500W	DC 60-90V	DC 100V	109	1.7	3	0.75	DC 36V	330W	2 PCS	IP68
4	3DCQL2.0-150-48-750	1	750W	DC 60-90V	DC 100V	150	2.0	3	0.75	DC 36V	250W	4 PCS	IP68
5	3DCQL2.0-150-72-750	1	750W	DC 90-120V	DC 150V	150	2.0	3	0.75	DC 36V	330W	3 PCS	IP68
6	3DCQL2.2-180-72-1100	1.5	1100W	DC 90-120V	DC 150V	180	2.2	3	0.75	DC 36V	300W	6 PCS	IP68

### Performance Flow Chart



### Spare Parts



### Benefits

- \* Long life expectancy: DC brushless motor, more than 18000-20000 hours lifetime.
- \* Fast and simple installation: Small size and portable, outer DSP & MPPT controller, easy for carrying and installation.
- \* Control inputs for well probe, dry-running protection.
- \* Battery operation, low voltage disconnect for battery tracking.
- \* High efficiency: Special design low speed starting motor for the solar powered system, high energy efficiency.
- \* Cost-effective spare parts philosophy: Helical Rotor, outer MPPT controller, and other spare parts are available.

### Technical Characteristics

- \* Pump size: 3 Inch (76mm) diameter
- \* Thread connections: 0.75 Inch (19mm) diameter
- \* Materials: Stainless steel AISI 304
- \* Soft start low amp @0.5A motor speed 10RPM-4000RPM
- \* Max. acceptable media temp: 70°C
- \* Recommend solar panels of 1.5 – 2 times @ Max. lift & flow
- \* Net weight: 9.4kgs
- \* Gross weight: 10.50kgs
- \* Package wooden case size: : 77.5\*23\*14.5cm

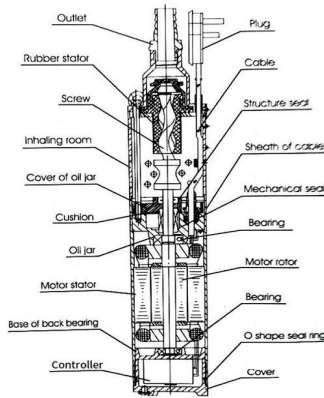
### Features

- \* Engineered and manufactured in China.
- \* Overload protection, over & under-voltage protection, thermal protection setting.
- \* Automatic restart setting.
- \* Dry -running with extra float switch.
- \* Submersible, it can be installed vertically or horizontally.





## Pump Structure



## Outer MPPT Controller

MPPT controller conversion rate as high as 95%.



Running Speed Control



Short-Circuit Protection



MPPT



Dry Running Protection



Soft Starting Protection



Reverse Voltage Protection



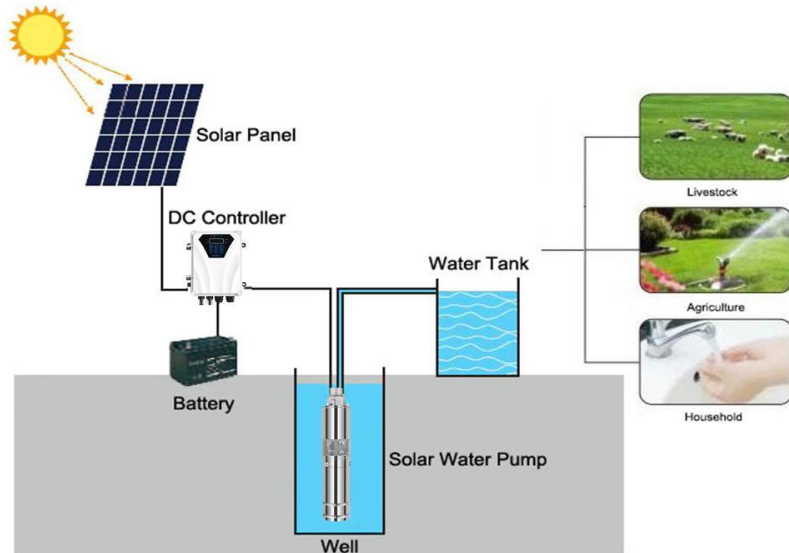
Low-voltage / Over-voltage Protection



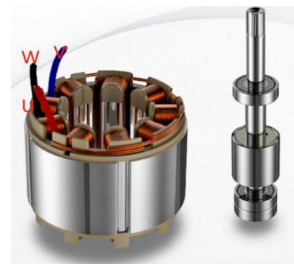
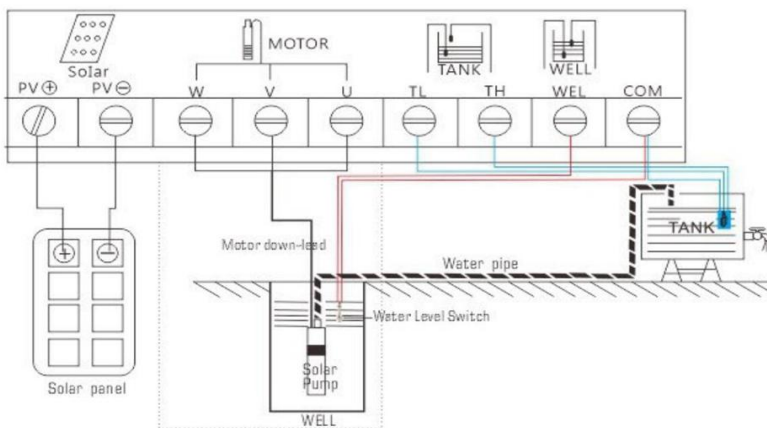
Over Current Protection



## Installation Diagram



### INSTRUCTION FOR SOLAR PUMP CONTROLLER



#### Remark:

The DC permanent magnet synchronous motor is three-phase, similar to AC asynchronous motor, but the **three phases are all live wires**; while AC asynchronous motor three phases are live, neutral and earth wires.



## DC Centrifugal Submersible Solar Water Pump

### Pump Material

- \* Maintenance-free unattended operation solar water pump system with water level sensor.
- \* Multistage centrifugal impeller anti-lock & anti-sand pump lift not just clean water.
- \* Power frequency system & centrifugal pump, reliability performance even harsh conditions.
- \* Special design low speed starting motor for the solar-powered system, high energy efficiency.



### Benefits

- \* Long life expectancy: DC brushless motor for a long lifetime.
- \* Fast and simple installation: Small size and portable, outer & built-in MPPT controller, easy for carrying and installation.
- \* Designed for use in remote and harsh conditions: It's workable for off-grid areas with solar panel power.
- \* High efficiency: Special design low speed starting motor for the solar-powered system, high energy efficiency.

### Pump Structure



### Features

- \* Engineered and manufactured in China.
- \* Overload protection, over & under-voltage protection, thermal protection setting.
- \* Automatic restart setting.
- \* Maintenance-free unattended operation solar water pump system with water level sensor.
- \* Submersible, it can be installed vertically or horizontally.



## DC Centrifugal Submersible Solar Water Pump (Outer MPPT Controller)

### Application

- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply



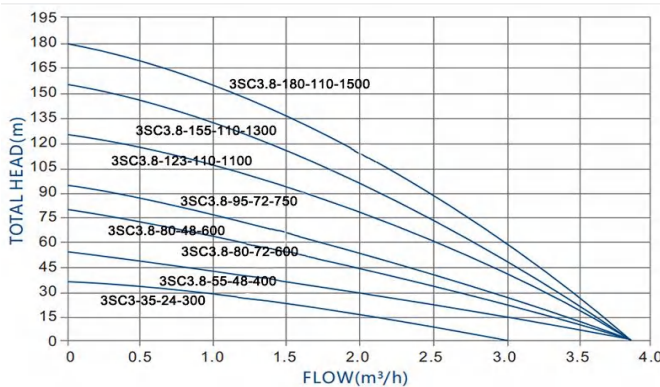
### FREE ACCESSORIES



### Technical Data

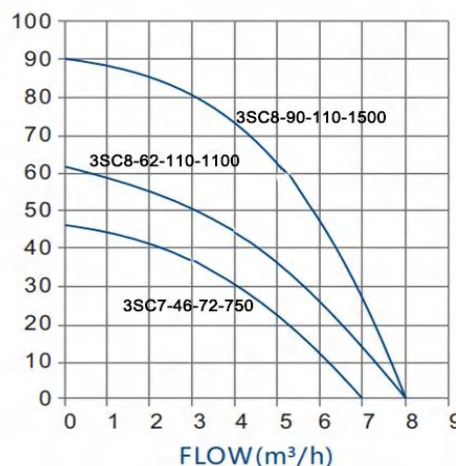
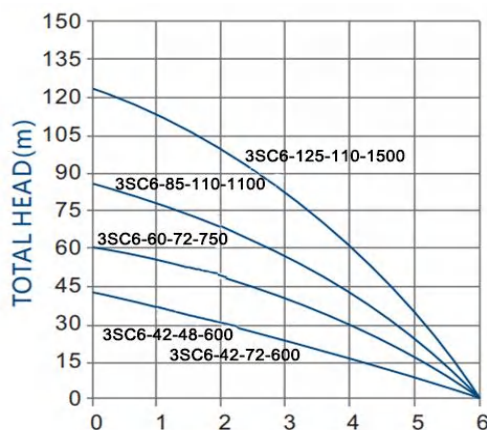
No	Model	Pump			Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	Voltage						Open Voltage	Power	
1	3SC3-35-24-300	0.4	300W	DC 24V	35	3	3	1.25	2	<54V	≥ 500W	IP68
2	3SC3.8-55-48-400	0.55	400W	DC 48V	55	3.8	3	1.25	2	<110V	≥ 600W	IP68
3	3SC3.8-80-48-600	0.8	600W	DC 48V	80	3.8	3	1.25	2	<110V	≥ 750W	IP68
4	3SC3.8-80-72-600	0.8	600W	DC 72V	80	3.8	3	1.25	2	<170V	≥ 750W	IP68
5	3SC3.8-95-72-750	1	750W	DC 72V	95	3.8	3	1.25	2	<170V	≥ 1000W	IP68
6	3SC3.8-123-110-1100	1.5	1100W	DC 110V	123	3.8	3	1.25	2	<210V	≥ 1500W	IP68
7	3SC3.8-155-110-1300	1.75	1300W	DC 110V	155	3.8	3	1.25	2	<210V	≥ 1800W	IP68
8	3SC3.8-180-110-1500	2	1500W	DC 110V	180	3.8	3	1.25	2	<210V	≥ 2000W	IP68
9	3SC6-42-48-600	0.8	600W	DC 48V	42	6	3	1.25	2	<110V	≥ 750W	IP68
10	3SC6-42-72-600	0.8	600W	DC 72V	42	6	3	1.25	2	<170V	≥ 750W	IP68
11	3SC6-60-72-750	1	750W	DC 72V	60	6	3	1.25	2	<170V	≥ 1000W	IP68
12	3SC6-85-110-1100	1.5	1100W	DC 110V	85	6	3	1.25	2	<210V	≥ 1500W	IP68
13	3SC6-125-110-1500	2	1500W	DC 110V	125	6	3	1.25	2	<210V	≥ 2000W	IP68
14	3SC7-46-72-750	1	750W	DC 72V	46	7	3	1.25/1.5	2	<170V	≥ 1000W	IP68
15	3SC8-62-110-1100	1.5	1100W	DC 110V	62	8	3	1.25/1.5	2	<210V	≥ 1500W	IP68
16	3SC8-90-110-1500	2	1500W	DC 110V	90	8	3	1.25/1.5	2	<210V	≥ 2000W	IP68

### Performance Flow Chart



### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.



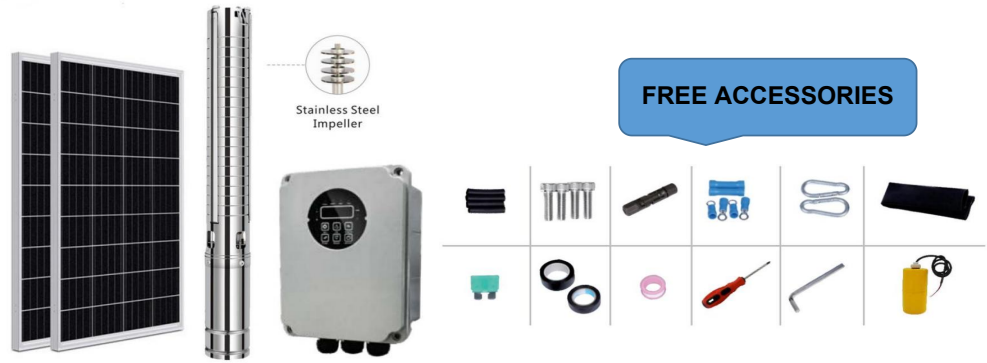




## DC Centrifugal Submersible Solar Water Pump (Outer MPPT Controller)

### Application

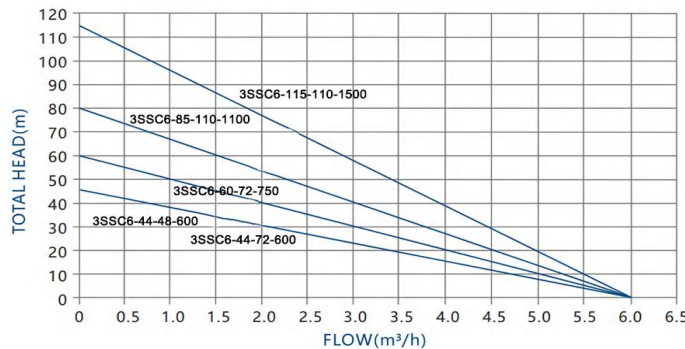
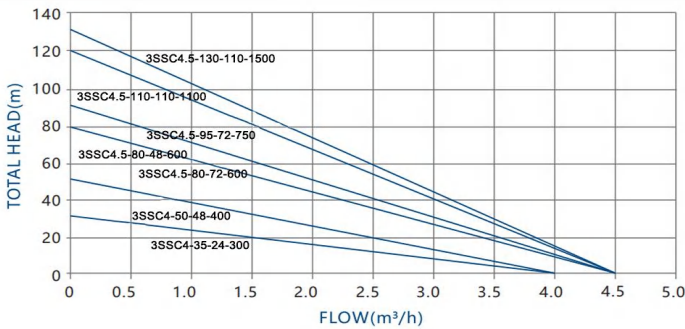
- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply



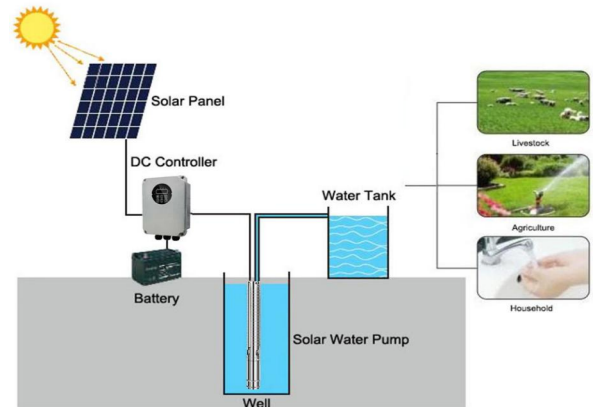
### Technical Data

No	Model	Pump			Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	Voltage						Open Voltage	Power	
1	3SSC4-35-24-300	0.4	300W	DC 24V	35	4	3	1.25	2	<54V	≥ 500W	IP68
2	3SSC4-50-48-400	0.55	400W	DC 48V	50	4	3	1.25	2	<110V	≥ 600W	IP68
3	3SSC4.5-80-48-600	0.8	600W	DC 48V	80	4.5	3	1.25	2	<110V	≥ 750W	IP68
4	3SSC4.5-80-72-600	0.8	600W	DC 72V	80	4.5	3	1.25	2	<170V	≥ 750W	IP68
5	3SSC4.5-95-72-750	1	750W	DC 72V	95	4.5	3	1.25	2	<170V	≥ 1000W	IP68
6	3SSC4.5-110-110-1100	1.5	1100W	DC 110V	110	4.5	3	1.25	2	<210V	≥ 1500W	IP68
7	3SSC4.5-130-110-1500	2	1500W	DC 110V	130	4.5	3	1.25	2	<210V	≥ 2000W	IP68
8	3SSC6-44-48-600	0.8	600W	DC 48V	44	6	3	1.25	2	<110V	≥ 750W	IP68
9	3SSC6-44-72-600	0.8	600W	DC 72V	44	6	3	1.25	2	<170V	≥ 750W	IP68
10	3SSC6-60-72-750	1	750W	DC 72V	60	6	3	1.25	2	<170V	≥ 1000W	IP68
11	3SSC6-85-110-1100	1.5	1100W	DC 110V	85	6	3	1.25	2	<210V	≥ 1500W	IP68
12	3SSC6-115-110-1500	2	1500W	DC 110V	115	6	3	1.25	2	<210V	≥ 2000W	IP68

### Performance Flow Chart



### Installation Chart



### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.





## DC Centrifugal Submersible Solar Water Pump (Outer MPPT Controller)

### Application

- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply

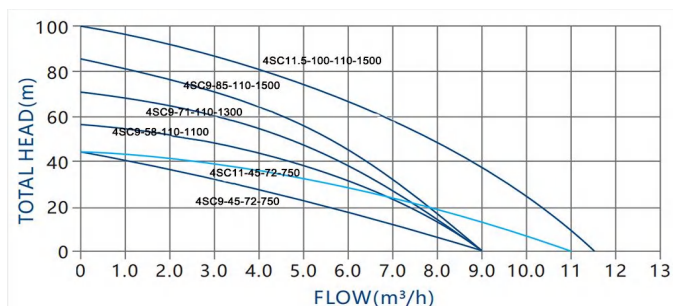
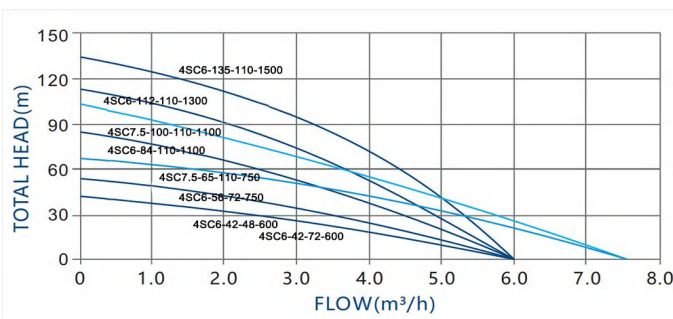


**FREE ACCESSORIES**

### Technical Data

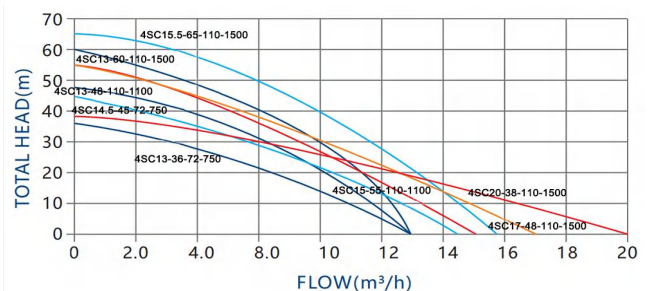
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		HP	Power	Voltage						Open Voltage	Power	
1	4SC6-42-48-600	0.8	600W	DC 48V	42	6	4	1.25	2	<110V	≥ 750W	IP68
2	4SC6-42-72-600	0.8	600W	DC 72V	42	6	4	1.25	2	<170V	≥ 750W	IP68
3	4SC6-56-72-750	1	750W	DC 72V	56	6	4	1.25	2	<170V	≥ 1000W	IP68
4	4SC6-84-110-1100	1.5	1100W	DC 110V	84	6	4	1.25	2	<210V	≥ 1500W	IP68
5	4SC6-112-110-1300	1.75	1300W	DC 110V	112	6	4	1.25	2	<210V	≥ 1800W	IP68
6	4SC6-135-110-1500	2	1500W	DC 110V	135	6	4	1.25	2	<210V	≥ 2000W	IP68
7	4SC7.5-65-110-750	1	750W	DC 110V	65	7.5	4	1.5	2	<210V	≥ 1000W	IP68
8	4SC7.5-100-110-1100	1.5	1100W	DC 110V	100	7.5	4	1.25	2	<210V	≥ 1500W	IP68
9	4SC9-45-72-750	1	750W	DC 72V	45	9	4	2	2	<170V	≥ 1000W	IP68
10	4SC9-58-110-1100	1.5	1100W	DC 110V	58	9	4	2	2	<210V	≥ 1500W	IP68
11	4SC9-71-110-1300	1.75	1300W	DC 110V	71	9	4	2	2	<210V	≥ 1800W	IP68
12	4SC9-85-110-1500	2	1500W	DC 110V	85	9	4	2	2	<210V	≥ 2000W	IP68
13	4SC11-45-72-750	1	750W	DC 72V	45	11	4	2	2	<170V	≥ 1000W	IP68
14	4SC11.5-100-110-1500	2	1500W	DC 110V	100	11.5	4	2	2	<210V	≥ 2000W	IP68
15	4SC13-36-72-750	1	750W	DC 72V	36	13	4	2	2	<170V	≥ 1000W	IP68
16	4SC13-48-110-1100	1.5	1100W	DC 110V	48	13	4	2	2	<210V	≥ 1500W	IP68
17	4SC13-60-110-1500	2	1500W	DC 110V	60	13	4	2	2	<210V	≥ 2000W	IP68
18	4SC14.5-45-72-750	1	750W	DC 72V	45	14.5	4	2	2	<170V	≥ 1000W	IP68
19	4SC15-55-110-1100	1.5	1100W	DC 110V	55	15	4	2	2	<210V	≥ 1500W	IP68
20	4SC15.5-65-110-1500	2	1500W	DC 110V	65	15.5	4	2	2	<210V	≥ 2000W	IP68
21	4SC17-48-110-1500	2	1500W	DC 110V	48	17	4	2	2	<210V	≥ 2000W	IP68
22	4SC20-38-110-1500	2	1500W	DC 110V	38	20	4	2	2	<210V	≥ 2000W	IP68

### Performance Flow Chart



### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.

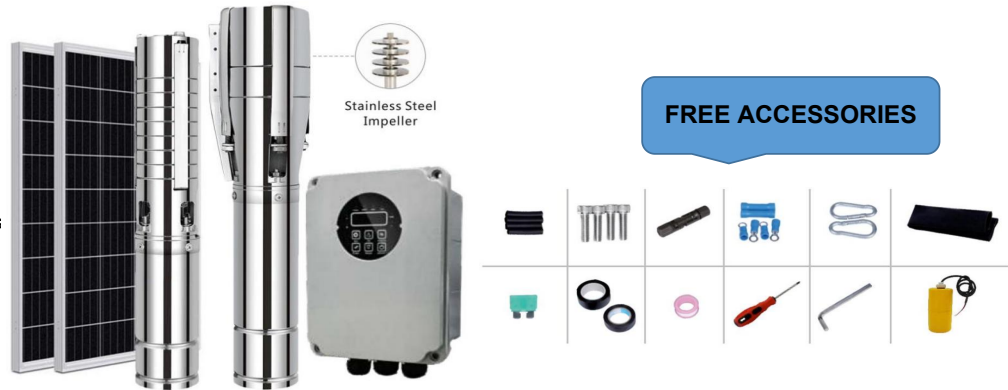




## DC Centrifugal Submersible Solar Water Pump (Outer MPPT Controller)

### Application

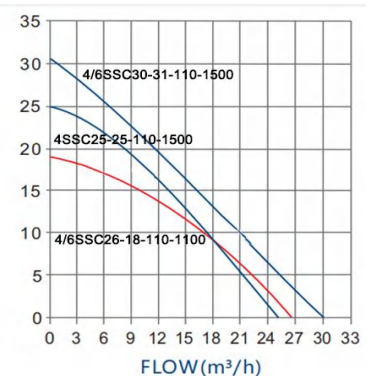
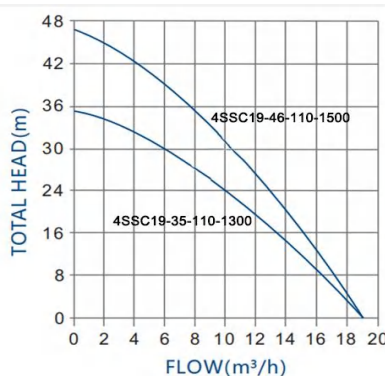
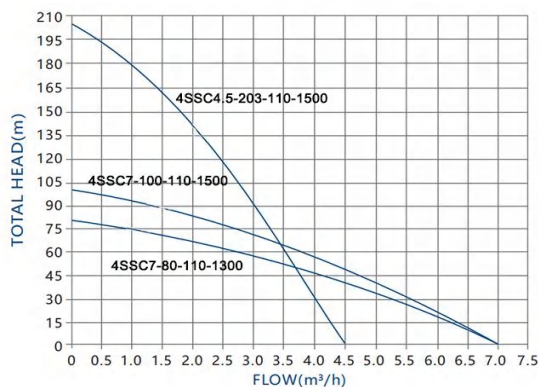
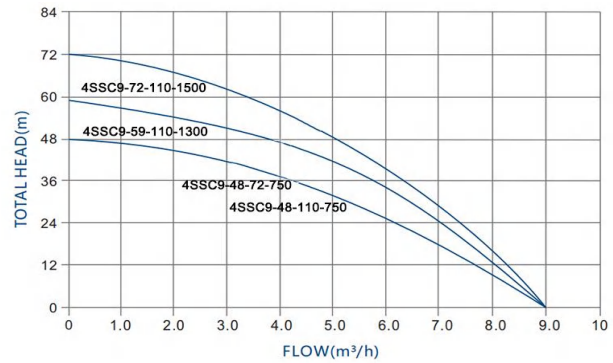
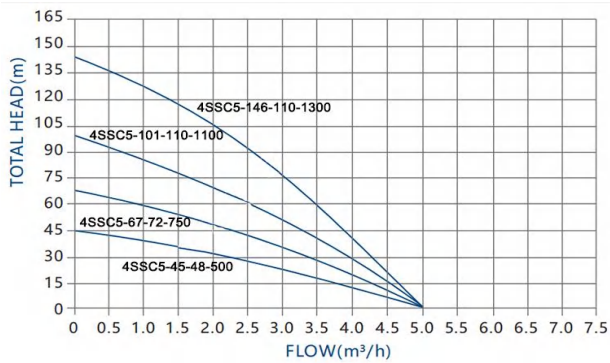
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- \* Industrial water supply
- \* Construction water supply



### Technical Data

No	Model	Pump			Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	Voltage						Open Voltage	Power	
1	4SSC5-45-48-500	0.67	500W	DC 48V	45	5	4	1.25	2	<110V	≥ 600W	IP68
2	4SSC5-67-72-750	1	750W	DC 72V	67	5	4	1.25	2	<170V	≥ 1000W	IP68
3	4SSC5-101-110-1100	1.5	1100W	DC 110V	101	5	4	1.25	2	<210V	≥ 1500W	IP68
4	4SSC5-146-110-1300	1.75	1300W	DC 110V	146	5	4	1.25	2	<210V	≥ 1800W	IP68
5	4SSC4.5-203-110-1500	2	1500W	DC 110V	203	4.5	4	1.25	2	<210V	≥ 2000W	IP68
6	4SSC7-80-110-1300	1.75	1300W	DC 110V	80	7	4	1.25	2	<210V	≥ 1800W	IP68
7	4SSC7-100-110-1500	2	1500W	DC 110V	100	7	4	1.25	2	<210V	≥ 2000W	IP68
8	4SSC9-48-72-750	1	750W	DC 72V	48	9	4	2	2	<170V	≥ 1000W	IP68
9	4SSC9-48-110-750	1	750W	DC 110V	48	9	4	2	2	<210V	≥ 1000W	IP68
10	4SSC9-59-110-1300	1.75	1300W	DC 110V	59	9	4	2	2	<210V	≥ 1800W	IP68
11	4SSC9-72-110-1500	2	1500W	DC 110V	72	9	4	2	2	<210V	≥ 2000W	IP68
12	4SSC19-35-110-1300	1.75	1300W	DC 110V	35	19	4	2	2	<170V	≥ 1800W	IP68
13	4SSC19-46-110-1500	2	1500W	DC 110V	46	19	4	2	2	<210V	≥ 2000W	IP68
14	4SSC25-25-110-1500	2	1500W	DC 110V	25	25	4	2	2	<210V	≥ 2000W	IP68
15	4/6SSC26-18-110-1100	1.5	1100W	DC 110V	18	26	4	2	2	<210V	≥ 1500W	IP68
16	4/6SSC30-31-110-1500	2	1500W	DC 110V	31	30	4	3	2	<210V	≥ 2000W	IP68

### Performance Flow Chart







## HV DC Centrifugal Submersible Solar Water Pump (Outer MPPT Controller)

### Application

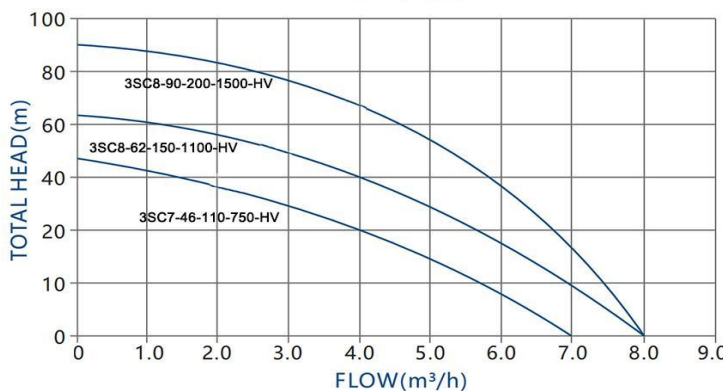
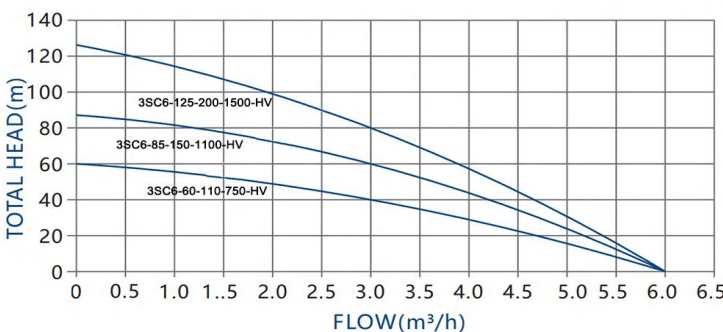
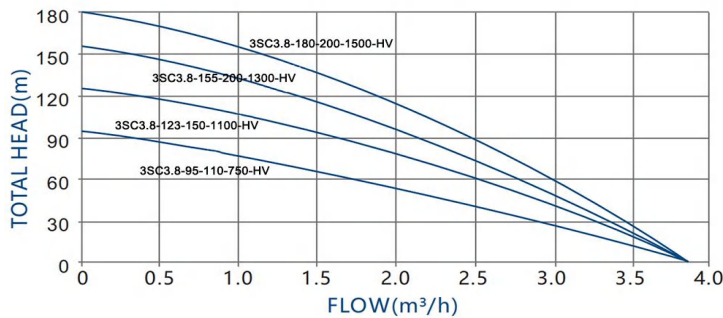
- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply



### Technical Data

No	Model	Pump			Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	Voltage						Open Voltage	Power	
1	3SC3.8-95-110-750-HV	1	750W	DC 110V	95	3.8	3	1.25	2	<430V	≥ 1000W	IP68
2	3SC3.8-123-150-1100-HV	1.5	1100W	DC 150V	123	3.8	3	1.25	2	<430V	≥ 1500W	IP68
3	3SC3.8-155-200-1300-HV	1.75	1300W	DC 200V	155	3.8	3	1.25	2	<430V	≥ 1800W	IP68
4	3SC3.8-180-200-1500-HV	2	1500W	DC 200V	180	3.8	3	1.25	2	<430V	≥ 2000W	IP68
5	3SC6-60-110-750-HV	1	750W	DC 110V	60	6	3	1.25	2	<430V	≥ 1000W	IP68
6	3SC6-85-150-1100-HV	1.5	1100W	DC 150V	85	6	3	1.25	2	<430V	≥ 1500W	IP68
7	3SC6-125-200-1500-HV	2	1500W	DC 200V	125	6	3	1.25	2	<430V	≥ 2000W	IP68
8	3SC7-46-110-750-HV	1	750W	DC 110V	46	7	3	1.25/1.5	2	<430V	≥ 1000W	IP68
9	3SC8-62-150-1100-HV	1.5	1100W	DC 150V	62	8	3	1.25/1.5	2	<430V	≥ 1500W	IP68
10	3SC8-90-200-1500-HV	2	1500W	DC 200V	90	8	3	1.25/1.5	2	<430V	≥ 2000W	IP68

### Performance Flow Chart



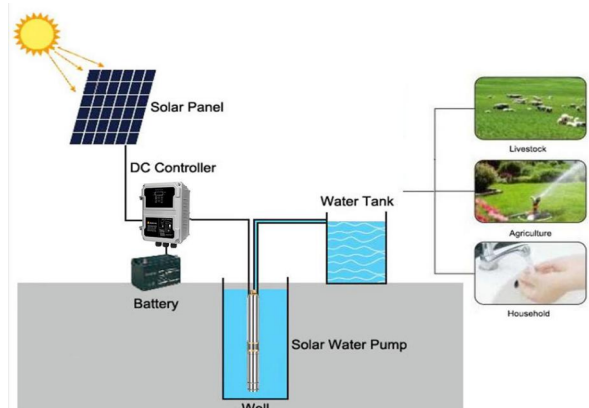
### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.

### MPPT CONTROLLER

MPPT controller conversion rate as high as 95%

- Maximum Power Point Tracking
- Water level sensor can be added
- Pressure switch can be added
- System circuit protection
- Overheating protection





## HV DC Centrifugal Submersible Solar Water Pump (Outer MPPT Controller)

### Application

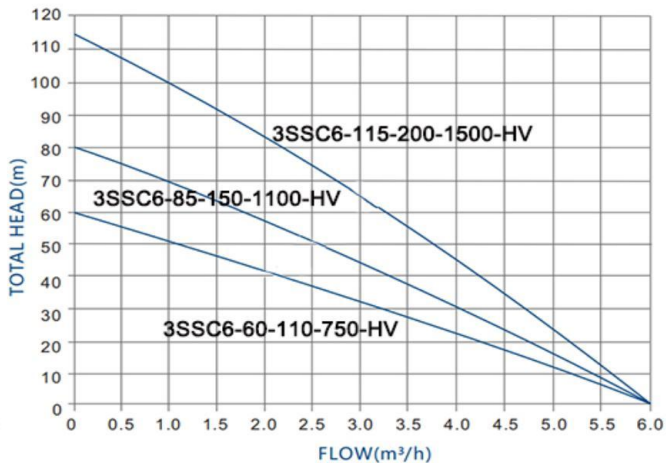
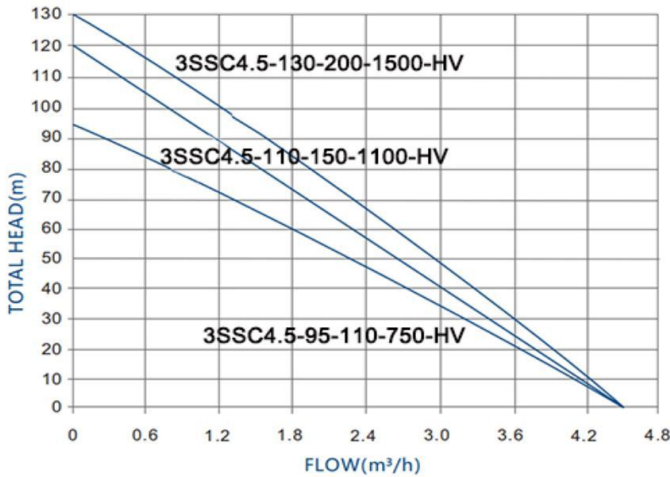
- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply



### Technical Data

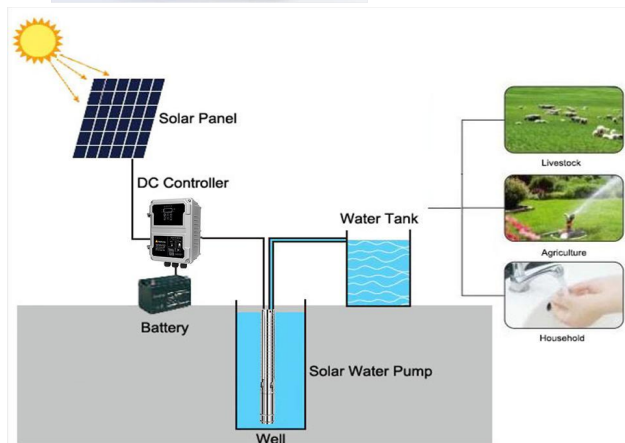
No	Model	Pump			Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	Voltage						Open Voltage	Power	
1	3SSC4.5-95-110-750-HV	1	750W	DC 110V	95	4.5	3	1.25	2	<430V	≥ 1000W	IP68
2	3SSC4.5-110-150-1100-HV	1.5	1100W	DC 150V	110	4.5	3	1.25	2	<430V	≥ 1500W	IP68
3	3SSC4.5-130-200-1500-HV	2	1500W	DC 200V	130	4.5	3	1.25	2	<430V	≥ 2000W	IP68
4	3SSC6-60-110-750-HV	1	750W	DC 110V	60	6	3	1.25	2	<430V	≥ 1000W	IP68
5	3SSC6-85-150-1100-HV	1.5	1100W	DC 150V	85	6	3	1.25	2	<430V	≥ 1500W	IP68
6	3SSC6-115-200-1500-HV	2	1500W	DC 200V	115	6	3	1.25	2	<430V	≥ 2000W	IP68

### Performance Flow Chart



### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.







## HV DC Centrifugal Submersible Solar Water Pump (Outer MPPT Controller)

### Application

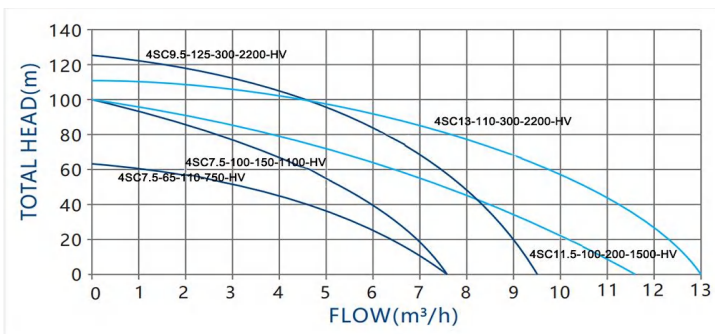
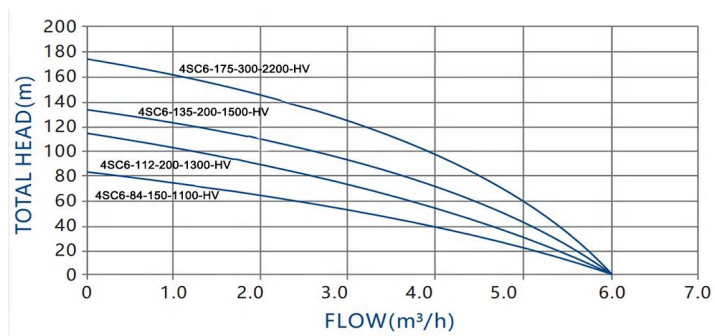
- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply



### Technical Data

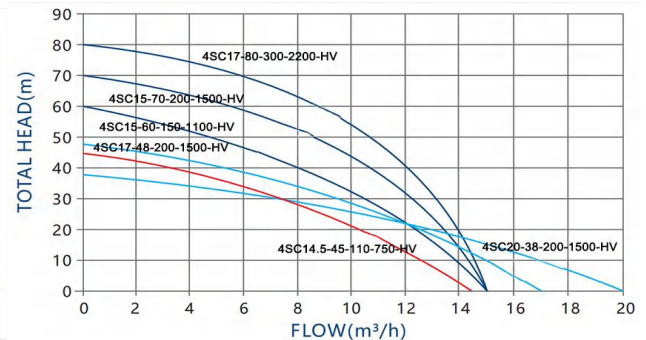
No	Model	Pump			Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	Voltage						Open Voltage	Power	
1	4SC6-84-150-1100-HV	1.5	1100W	DC 150V	84	6	4	1.25	2	<430V	≥ 1500W	IP68
2	4SC6-112-200-1300-HV	1.75	1300W	DC 200V	112	6	4	1.25	2	<430V	≥ 1800W	IP68
3	4SC6-135-200-1500-HV	2	1500W	DC 200V	135	6	4	1.25	2	<430V	≥ 2000W	IP68
4	4SC6-175-300-2200-HV	3	2200W	DC 300V	175	6	4	1.25	2	<490V	≥ 3000W	IP68
5	4SC7.5-65-110-750-HV	1	750W	DC 110V	65	7.5	4	1.5	2	<430V	≥ 1000W	IP68
6	4SC7.5-100-150-1100-HV	1.5	1100W	DC 150V	100	7.5	4	1.5	2	<430V	≥ 1500W	IP68
7	4SC9.5-125-300-2200-HV	3	2200W	DC 300V	125	9.5	4	2	2	<490V	≥ 3000W	IP68
8	4SC11.5-100-200-1500-HV	2	1500W	DC 200V	100	11.5	4	2	2	<430V	≥ 2000W	IP68
9	4SC13-110-300-2200-HV	3	2200W	DC 300V	110	13	4	2	2	<490V	≥ 3000W	IP68
10	4SC14.5-45-110-750-HV	1	750W	DC 110V	45	14.5	4	2	2	<430V	≥ 1000W	IP68
11	4SC15-60-150-1100-HV	1.5	1100W	DC 150V	60	15	4	2	2	<430V	≥ 1500W	IP68
12	4SC15-70-200-1500-HV	2	1500W	DC 200V	70	15	4	2	2	<430V	≥ 2000W	IP68
13	4SC17-48-200-1500-HV	2	1500W	DC 200V	48	17	4	2	2	<430V	≥ 2000W	IP68
14	4SC17-80-300-2200-HV	3	2200W	DC 300V	80	17	4	2	2	<490V	≥ 3000W	IP68
15	4SC20-38-200-1500-HV	2	1500W	DC 200V	38	20	4	2	2	<430V	≥ 2000W	IP68

### Performance Flow Chart



### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.





## HV DC Centrifugal Submersible Solar Water Pump (Outer MPPT Controller)

### Application

- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply



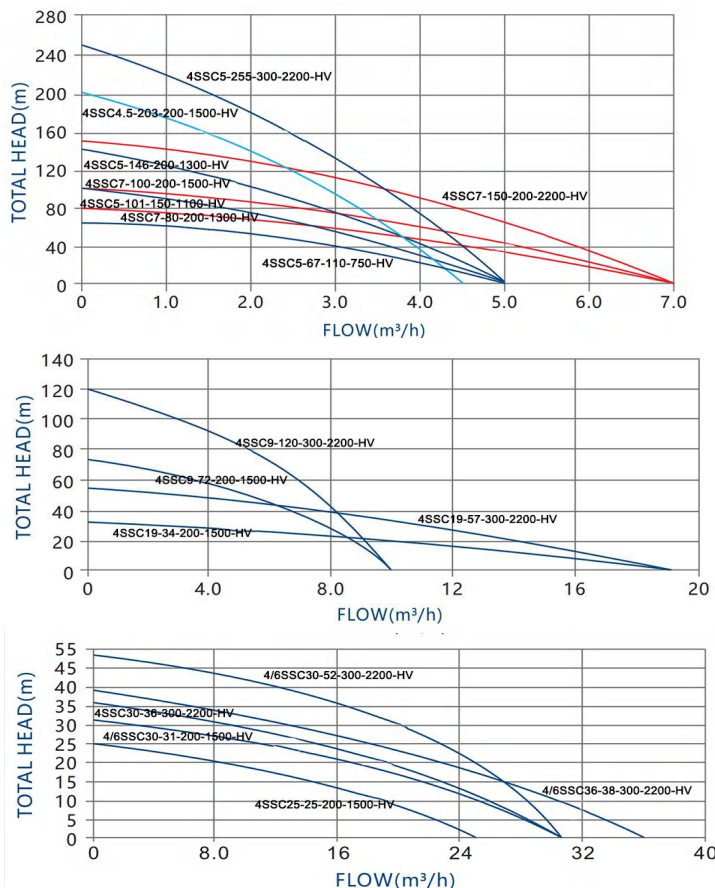
### FREE ACCESSORIES



### Technical Data

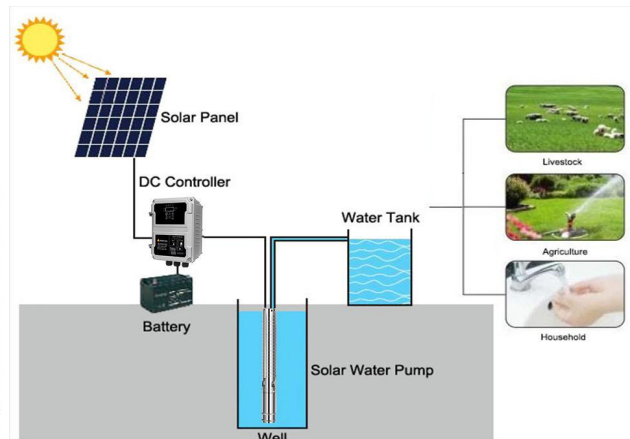
No	Model	Pump			Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	Voltage						Open Voltage	Power	
1	4SSC4.5-203-200-1500-HV	2	1500W	DC 200V	203	4.5	4	1.25	2	<430V	≥ 2000W	IP68
2	4SSC5-67-110-750-HV	1	750W	DC 110V	67	5	4	1.25	2	<430V	≥ 1000W	IP68
3	4SSC5-101-150-1100-HV	1.5	1100W	DC 150V	101	5	4	1.25	2	<430V	≥ 1500W	IP68
4	4SSC5-146-200-1300-HV	1.75	1300W	DC 200V	146	5	4	1.25	2	<430V	≥ 1800W	IP68
5	4SSC5-255-300-2200-HV	3	2200W	DC 300V	255	5	4	1.25	2	<490V	≥ 3000W	IP68
6	4SSC7-80-200-1300-HV	1.75	1300W	DC 200V	80	7	4	1.25	2	<430V	≥ 1800W	IP68
7	4SSC7-100-200-1500-HV	2	1500W	DC 200V	100	7	4	1.25	2	<430V	≥ 2000W	IP68
8	4SSC7-150-200-2200-HV	3	2200W	DC 300V	150	7	4	1.25	2	<490V	≥ 3000W	IP68
9	4SSC9-72-200-1500-HV	2	1500W	DC 200V	72	9	4	2	2	<430V	≥ 2000W	IP68
10	4SSC9-120-300-2200-HV	3	2200W	DC 300V	120	9	4	2	2	<490V	≥ 3000W	IP68
11	4SSC19-34-200-1500-HV	2	1500W	DC 200V	34	19	4	2	2	<430V	≥ 2000W	IP68
12	4SSC19-57-300-2200-HV	3	2200W	DC 300V	57	19	4	2	2	<490V	≥ 3000W	IP68
13	4SSC25-25-200-1500-HV	2	1500W	DC 200V	25	25	4	2	2	<430V	≥ 2000W	IP68
14	4SSC30-36-300-2200-HV	3	2200W	DC 300V	36	30	4	2	2	<490V	≥ 3000W	IP68
15	4/6SSC30-31-200-1500-HV	2	1500W	DC 200V	31	30	4/6	3	2	<430V	≥ 2000W	IP68
16	4/6SSC30-52-300-2200-HV	3	2200W	DC 300V	52	30	4/6	3	2	<490V	≥ 3000W	IP68
17	4/6SSC36-38-300-2200-HV	3	2200W	DC 300V	38	36	4/6	3	2	<490V	≥ 3000W	IP68

### Performance Flow Chart



### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.



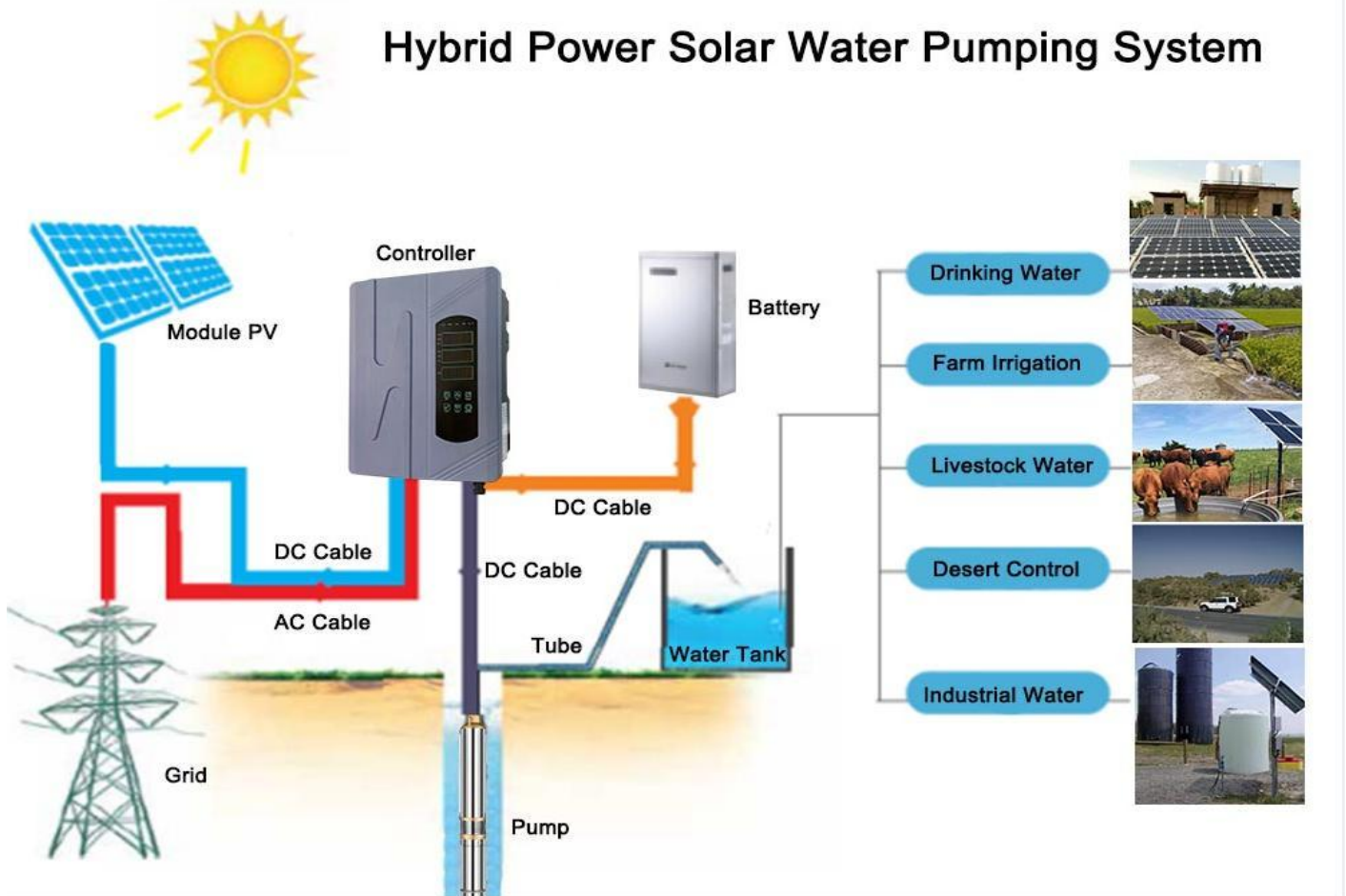




## AC DC Hybrid Power Centrifugal Solar Water Pump (Outer MPPT Controller)

### Installation Hybrid Power

- \* Using a hybrid system, we can meet 95% of our annual demand with solar and the 5% annual extra (30% for 2 months) with generator power.
- \* Installing an expensive and inefficient battery system is not a good answer as the capital investment and relatively short life would make the project very expensive. Installing hybrid power is a much more sensible way to manage these short-term needs.
- \* Where there is a flow or pressure critical water pumping application, hybrid power can manage the start and end of day transition from solar to grid or from solar to generator power seamlessly and without the need for any operator intervention.



### Benefits

- \* Long life expectancy: DC brushless motor for a long lifetime.
- \* Fast and simple installation: Small size and portable, outer MPPT controller, easy for carrying and installation.
- \* Designed for use in remote and harsh conditions: It's workable for off-grid areas with solar panel power.
- \* High efficiency: Special design low speed starting motor for the solar-powered system, high energy efficiency.
- \* Hybrid power is available for 220V/380V AC at home & industrial electricity.

### Features

- \* Engineered and manufactured in China.
- \* Overload protection, over & under-voltage protection, thermal protection setting.
- \* Automatic restart setting.
- \* Maintenance-free unattended operation solar water pump system with water level sensor.
- \* Submersible, it can be installed vertically or horizontally.



### Pump Material

- \* Maintenance-free unattended operation solar water pump system with water level sensor.
- \* Multistage centrifugal impeller anti-lock & anti-sand pump lift not just clean water.
- \* Power frequency system & centrifugal pump, reliability performance even harsh conditions.
- \* Special design low speed starting motor for the solar-powered system, high energy efficiency.



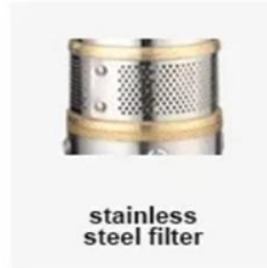
**copper outlet type**



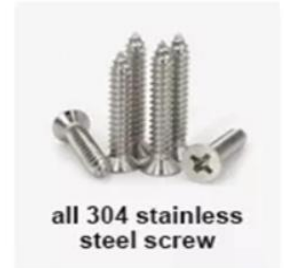
**stainless steel outlet type**



**come with 3 meters cable**



**stainless steel filter**



**all 304 stainless steel screw**



**NSK bearing**



**Pump shaft and magnetic steel**  
Whole shaft made of ss304



**Mechanical seal**



**stainless steel impeller and plastic guide vane**



**Permanent magnet DC brushless synchronous motor**

### Pump Structure



**SUBM  
PUMP**





## AC DC Hybrid System Centrifugal Submersible Solar Water Pump

### Application

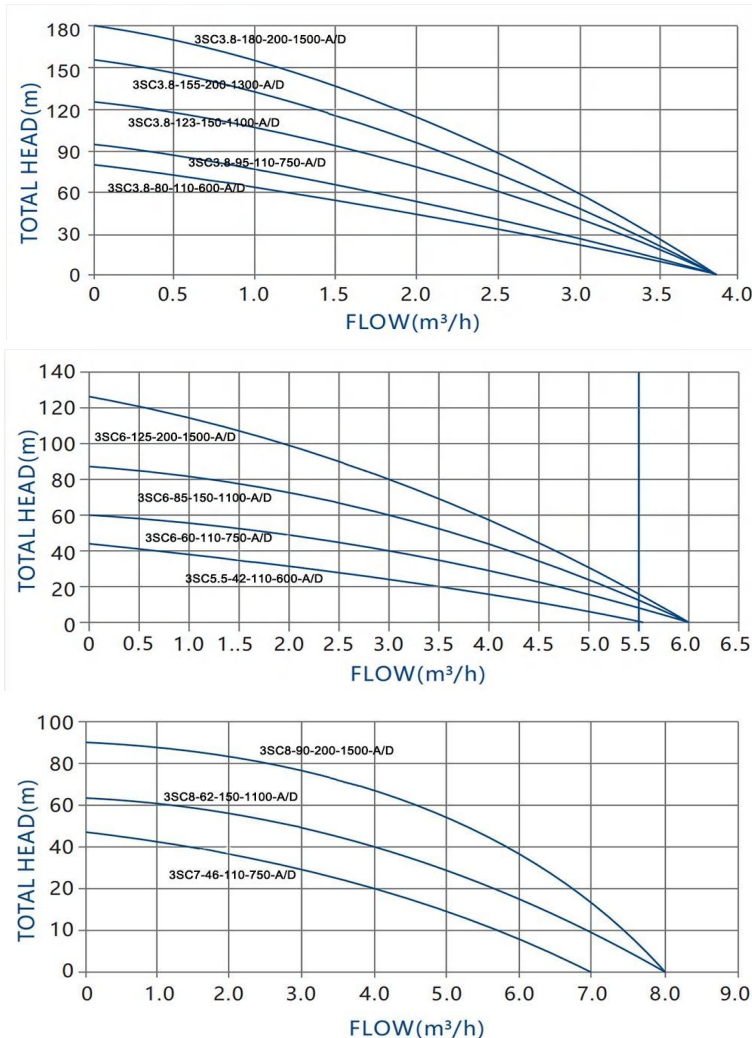
- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply



### Technical Data

No	Model	Pump				Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	AC Voltage	DC Voltage						Open Voltage	Power	
1	3SC3.8-80-110-600-A/D	0.8	600W	110V-240V	60V-430V	80	3.8	3	1.25	2	<430V	≥ 750W	IP68
2	3SC3.8-95-110-750-A/D	1	750W	110V-240V	60V-430V	95	3.8	3	1.25	2	<430V	≥ 1000W	IP68
3	3SC3.8-123-150-1100-A/D	1.5	1100W	110V-240V	60V-430V	123	3.8	3	1.25	2	<430V	≥ 1500W	IP68
4	3SC3.8-155-200-1300-A/D	1.75	1300W	110V-240V	60V-430V	155	3.8	3	1.25	2	<430V	≥ 1800W	IP68
5	3SC3.8-180-200-1500-A/D	2	1500W	110V-240V	60V-430V	180	3.8	3	1.25	2	<430V	≥ 2000W	IP68
6	3SC5.5-42-110-600-A/D	0.8	600W	110V-240V	60V-430V	42	5.5	3	1.25	2	<430V	≥ 750W	IP68
7	3SC6-60-110-750-A/D	1	750W	110V-240V	60V-430V	60	6	3	1.25	2	<430V	≥ 1000W	IP68
8	3SC6-85-150-1100-A/D	1.5	1100W	110V-240V	60V-430V	85	6	3	1.25	2	<430V	≥ 1500W	IP68
9	3SC6-125-200-1500-A/D	2	1500W	110V-240V	60V-430V	125	6	3	1.25	2	<430V	≥ 2000W	IP68
10	3SC7-46-110-750-A/D	1	750W	110V-240V	60V-430V	46	7	3	1.25/1.5	2	<430V	≥ 1000W	IP68
11	3SC8-62-150-1100-A/D	1.5	1100W	110V-240V	60V-430V	62	8	3	1.25/1.5	2	<430V	≥ 1500W	IP68
12	3SC8-90-200-1500-A/D	2	1500W	110V-240V	60V-430V	90	8	3	1.25/1.5	2	<430V	≥ 2000W	IP68

### Performance Flow Chart



### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.

#### MPPT CONTROLLER

MPPT controller conversion rate as high as **95%**

**AC and DC Automatic Switching Type**

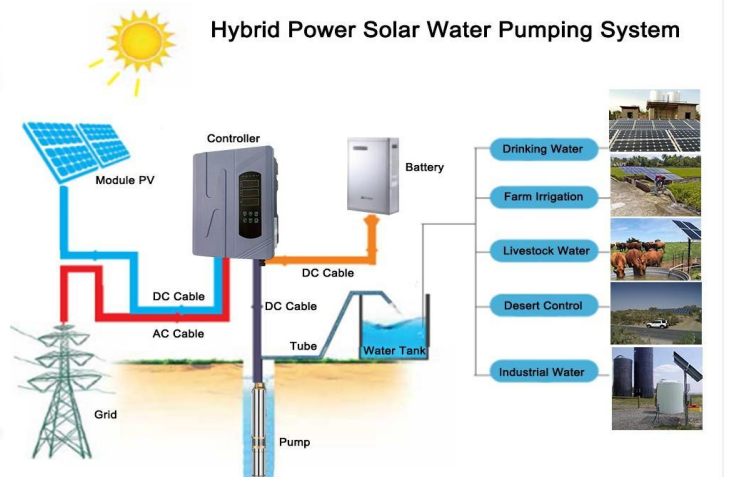
- Maximum Power Point Tracking
- Water level sensor can be added
- Pressure switch can be added
- System circuit protection
- Overheating protection

#### MPPT CONTROLLER

MPPT controller conversion rate as high as **95%**

**AC/DC Hybrid Complementary Type**

- Maximum Power Point Tracking
- Water level sensor can be added
- Pressure switch can be added
- System circuit protection
- Overheating protection





## AC DC Hybrid System Centrifugal Submersible Solar Water Pump

### Application

- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply

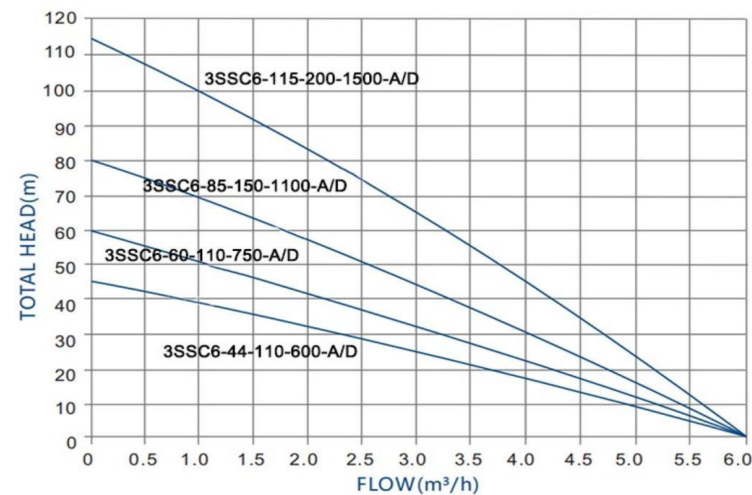
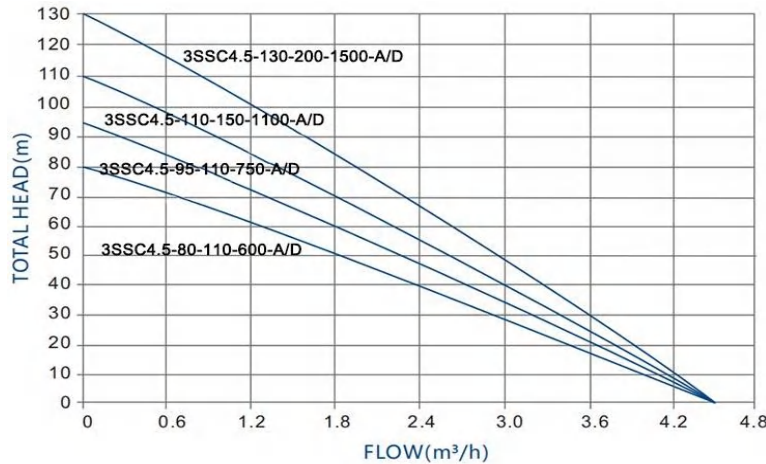


**FREE ACCESSORIES**

### Technical Data

No	Model	Pump				Max Head	Max Flow	Inlet	Outlet	Cable	Solar Panels		Protection
		HP	Power	AC Voltage	DC Voltage						Open Voltage	Power	
1	3SSC4.5-80-110-600-A/D	0.8	600W	110V-240V	60V-430V	80	4.5	3	1.25	2	<430V	≥ 750W	IP68
2	3SSC4.5-95-110-750-A/D	1	750W	110V-240V	60V-430V	95	4.5	3	1.25	2	<430V	≥ 1000W	IP68
3	3SSC4.5-110-150-1100-A/D	1.5	1100W	110V-240V	60V-430V	110	4.5	3	1.25	2	<430V	≥ 1500W	IP68
4	3SSC4.5-130-200-1500-A/D	2	1500W	110V-240V	60V-430V	130	4.5	3	1.25	2	<430V	≥ 2000W	IP68
5	3SSC6-44-110-600-A/D	0.8	600W	110V-240V	60V-430V	44	6	3	1.25	2	<430V	≥ 750W	IP68
6	3SSC6-60-110-750-A/D	1	750W	110V-240V	60V-430V	60	6	3	1.25	2	<430V	≥ 1000W	IP68
7	3SSC6-85-150-1100-A/D	1.5	1100W	110V-240V	60V-430V	85	6	3	1.25	2	<430V	≥ 1500W	IP68
8	3SSC6-115-200-1500-A/D	2	1500W	110V-240V	60V-430V	115	6	3	1.25	2	<430V	≥ 2000W	IP68

### Performance Flow Chart



### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.

#### MPPT CONTROLLER

MPPT controller conversion rate as high as **95%**

**AC and DC Automatic Switching Type**

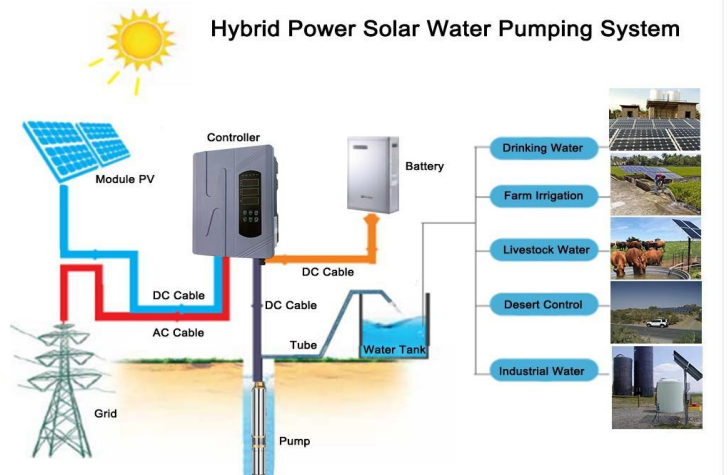
- Maximum Power Point Tracking
- Water level sensor can be added
- Pressure switch can be added
- System circuit protection
- Overheating protection

#### MPPT CONTROLLER

MPPT controller conversion rate as high as **95%**

**AC/DC Hybrid Complementary Type**

- Maximum Power Point Tracking
- Water level sensor can be added
- Pressure switch can be added
- System circuit protection
- Overheating protection







## AC DC Hybrid System Centrifugal Submersible Solar Water Pump

### Application

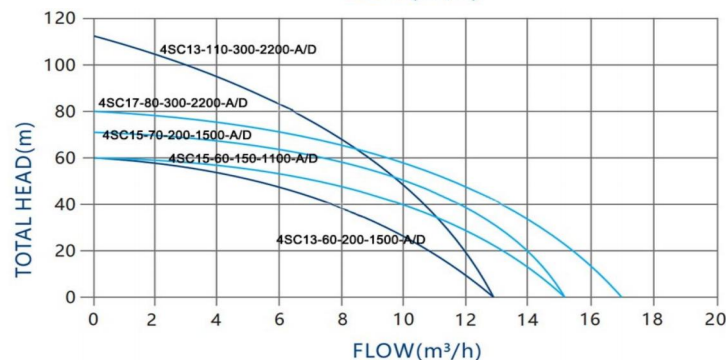
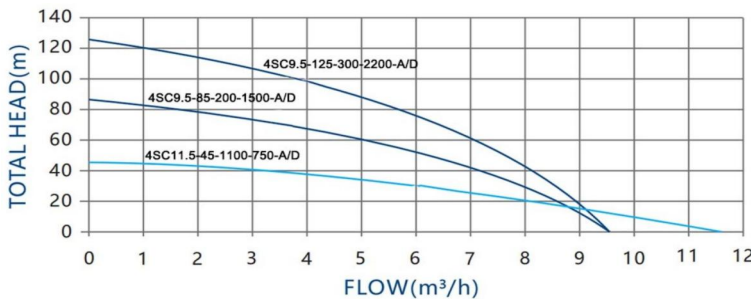
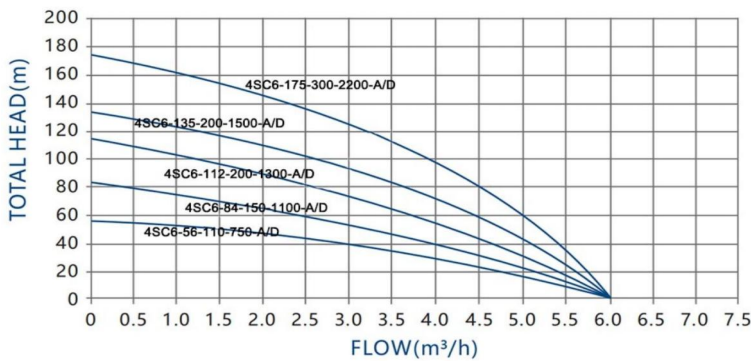
- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply



### Technical Data

No	Model	Pump				Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	AC Voltage	DC Voltage						Open Voltage	Power	
1	4SC6-56-110-750-A/D	1	750W	110V-240V	60V-430V	56	6	4	2	2	<430V	≥ 1000W	IP68
2	4SC6-84-150-1100-A/D	1.5	1100W	110V-240V	60V-430V	84	6	4	2	2	<430V	≥ 1500W	IP68
3	4SC6-112-200-1300-A/D	1.75	1300W	110V-240V	60V-430V	112	6	4	2	2	<430V	≥ 1800W	IP68
4	4SC6-135-200-1500-A/D	2	1500W	110V-240V	60V-430V	135	6	4	2	2	<430V	≥ 2000W	IP68
5	4SC6-175-300-2200-A/D	3	2200W	110V-240V	60V-430V	175	6	4	2	2	<430V	≥ 3000W	IP68
6	4SC9.5-85-200-1500-A/D	2	1500W	110V-240V	60V-430V	85	9.5	4	2	2	<430V	≥ 2000W	IP68
7	4SC9.5-125-300-2200-A/D	3	2200W	110V-240V	60V-430V	125	9.5	4	2	2	<430V	≥ 3000W	IP68
8	4SC11.5-45-1100-750-A/D	1	750W	110V-240V	60V-430V	45	11.5	4	2	2	<430V	≥ 1000W	IP68
9	4SC13-60-200-1500-A/D	2	1500W	110V-240V	60V-430V	60	13	4	2	2	<430V	≥ 2000W	IP68
10	4SC13-110-300-2200-A/D	3	2200W	110V-240V	60V-430V	110	13	4	2	2	<430V	≥ 3000W	IP68
11	4SC15-60-150-1100-A/D	1.5	1100W	110V-240V	60V-430V	60	15	4	2	2	<430V	≥ 1500W	IP68
12	4SC15-70-200-1500-A/D	2	1500W	110V-240V	60V-430V	70	15	4	2	2	<430V	≥ 2000W	IP68
13	4SC17-80-300-2200-A/D	3	2200W	110V-240V	60V-430V	80	17	4	2	2	<430V	≥ 3000W	IP68

### Performance Flow Chart



### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.

#### MPPT CONTROLLER

MPPT controller conversion rate as high as 95%

**AC and DC Automatic Switching Type**

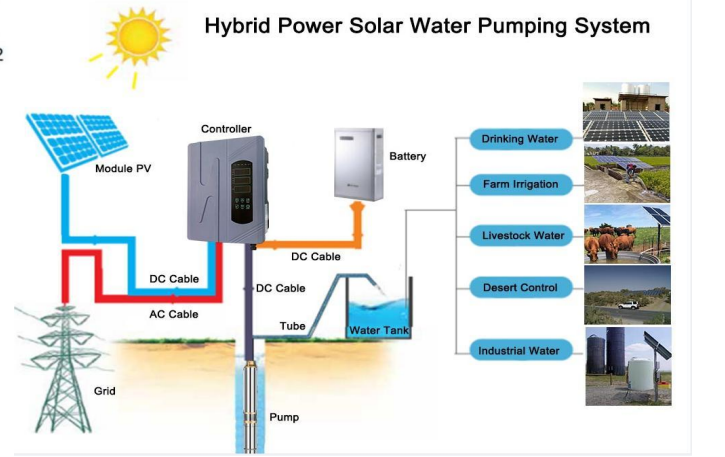
- Maximum Power Point Tracking
- Water level sensor can be added
- Pressure switch can be added
- System circuit protection
- Overheating protection

#### MPPT CONTROLLER

MPPT controller conversion rate as high as 95%

**AC/DC Hybrid Complementary Type**

- Maximum Power Point Tracking
- Water level sensor can be added
- Pressure switch can be added
- System circuit protection
- Overheating protection





## AC DC Hybrid System Centrifugal Submersible Solar Water Pump

### Application

- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply

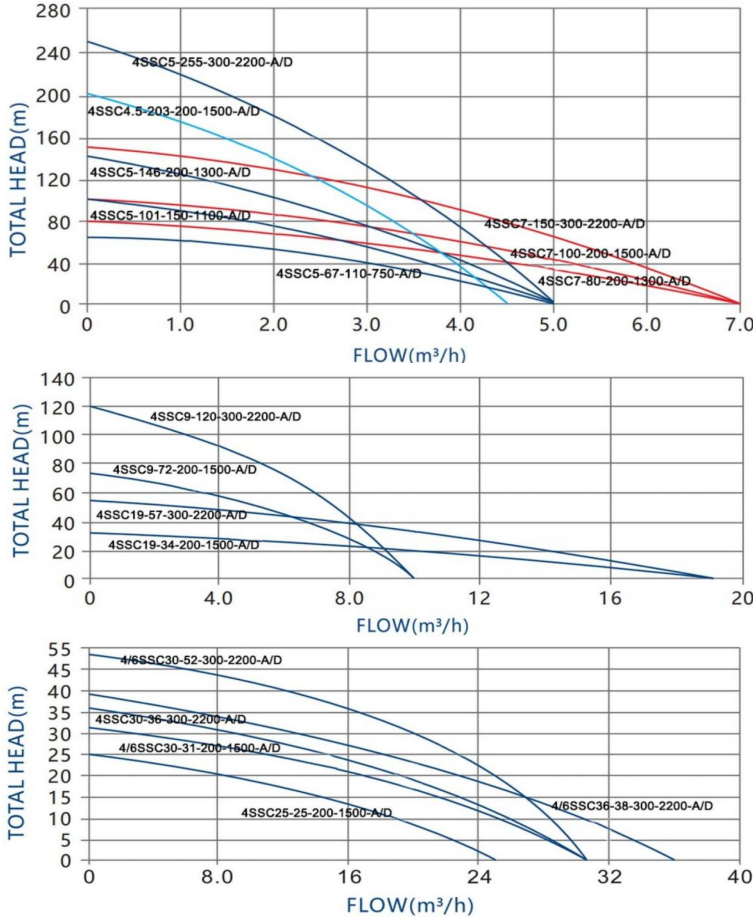


**FREE ACCESSORIES**

### Technical Data

No	Model	Pump				Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	AC Voltage	DC Voltage						Open Voltage	Power	
1	4SSC4.5-203-200-1500-A/D	2	1500W	110V-240V	60V-430V	203	4.5	4	1.25	2	<430V	≥ 2000W	IP68
2	4SSC5-67-110-750-A/D	1	750W	110V-240V	60V-430V	67	5	4	1.25	2	<430V	≥ 1000W	IP68
3	4SSC5-101-150-1100-A/D	1.5	1100W	110V-240V	60V-430V	101	5	4	1.25	2	<430V	≥ 1500W	IP68
4	4SSC5-146-200-1300-A/D	1.75	1300W	110V-240V	60V-430V	146	5	4	1.25	2	<430V	≥ 1800W	IP68
5	4SSC5-255-300-2200-A/D	3	2200W	110V-240V	60V-430V	255	5	4	1.25	2	<430V	≥ 3000W	IP68
6	4SSC7-80-200-1300-A/D	1.75	1300W	110V-240V	60V-430V	80	7	4	1.25	2	<430V	≥ 1800W	IP68
7	4SSC7-100-200-1500-A/D	2	1500W	110V-240V	60V-430V	100	7	4	1.25	2	<430V	≥ 2000W	IP68
8	4SSC7-150-300-2200-A/D	3	2200W	110V-240V	60V-430V	150	7	4	1.25	2	<430V	≥ 3000W	IP68
9	4SSC9-72-200-1500-A/D	2	1500W	110V-240V	60V-430V	72	9	4	2	2	<430V	≥ 2000W	IP68
10	4SSC9-120-300-2200-A/D	3	2200W	110V-240V	60V-430V	120	9	4	2	2	<430V	≥ 3000W	IP68
11	4SSC19-34-200-1500-A/D	2	1500W	110V-240V	60V-430V	34	19	4	2	2	<430V	≥ 2000W	IP68
12	4SSC19-57-300-2200-A/D	3	2200W	110V-240V	60V-430V	57	19	4	2	2	<430V	≥ 3000W	IP68
13	4SSC25-25-200-1500-A/D	2	1500W	110V-240V	60V-430V	25	25	4	2	2	<430V	≥ 2000W	IP68
14	4SSC30-36-300-2200-A/D	3	2200W	110V-240V	60V-430V	36	30	4	2	2	<430V	≥ 3000W	IP68
15	4/6SSC30-31-200-1500-A/D	2	1500W	110V-240V	60V-430V	31	30	4/6	3	2	<430V	≥ 2000W	IP68
16	4/6SSC30-52-300-2200-A/D	3	2200W	110V-240V	60V-430V	52	30	4/6	3	2	<430V	≥ 3000W	IP68
17	4/6SSC36-38-300-2200-A/D	3	2200W	110V-240V	60V-430V	38	36	4/6	3	2	<430V	≥ 3000W	IP68

### Performance Flow Chart



### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.

#### MPPT CONTROLLER

MPPT controller conversion rate as high as **95%**

**AC and DC Automatic Switching Type**

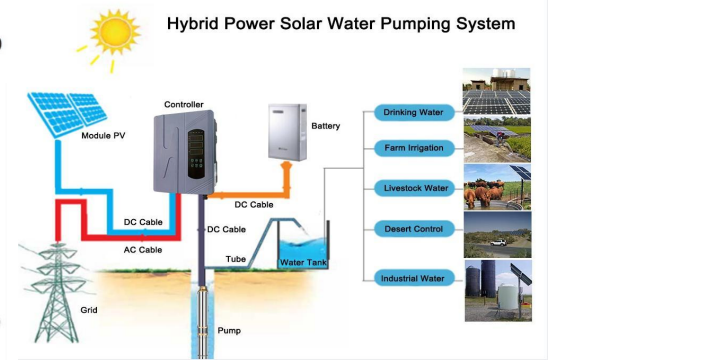
- Maximum Power Point Tracking
- Water level sensor can be added
- Pressure switch can be added
- System circuit protection
- Overheating protection

#### MPPT CONTROLLER

MPPT controller conversion rate as high as **95%**

**AC/DC Hybrid Complementary Type**

- Maximum Power Point Tracking
- Water level sensor can be added
- Pressure switch can be added
- System circuit protection
- Overheating protection







## AC DC 380V Hybrid System Centrifugal Submersible Solar Water Pump

### Application

- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply

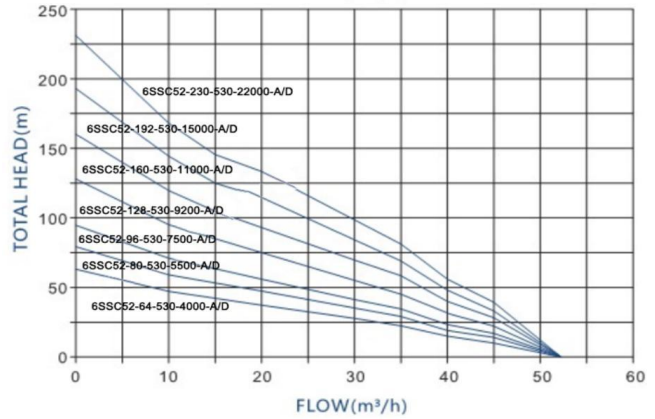
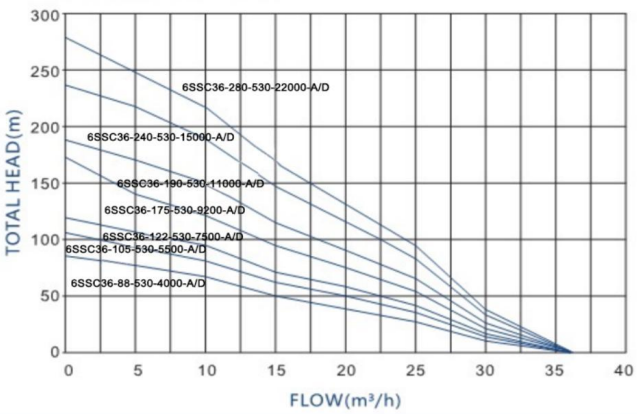
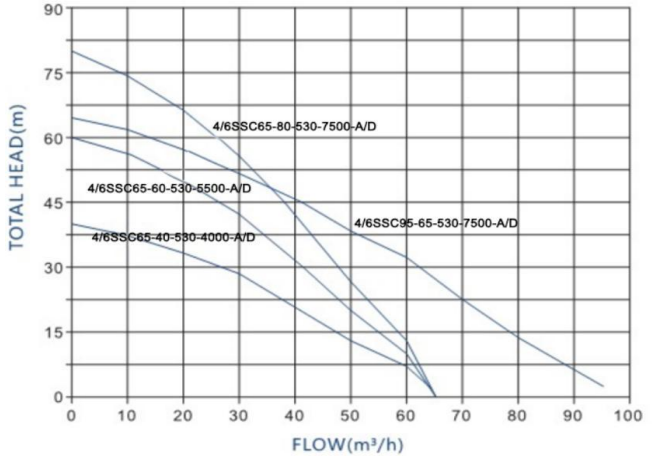
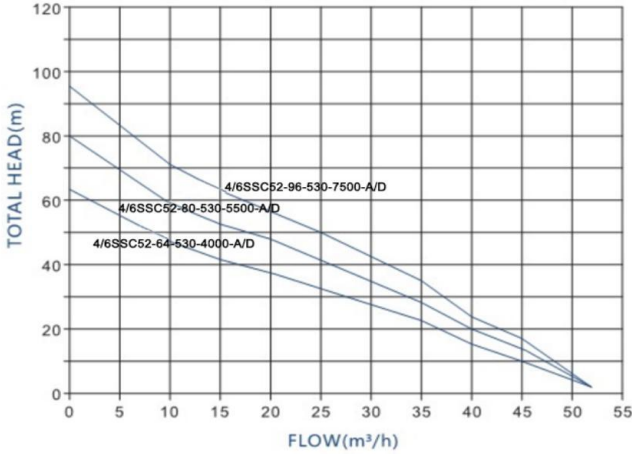
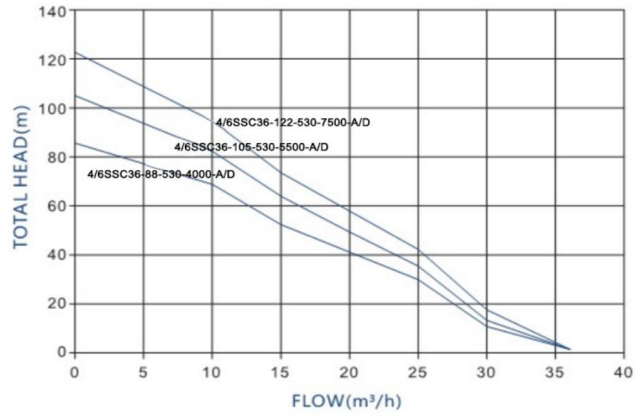
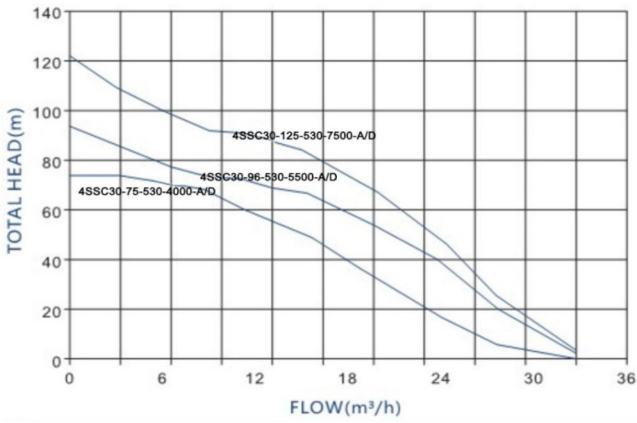
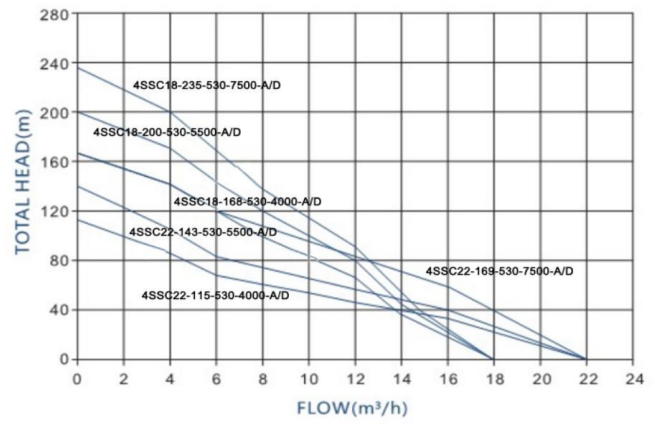
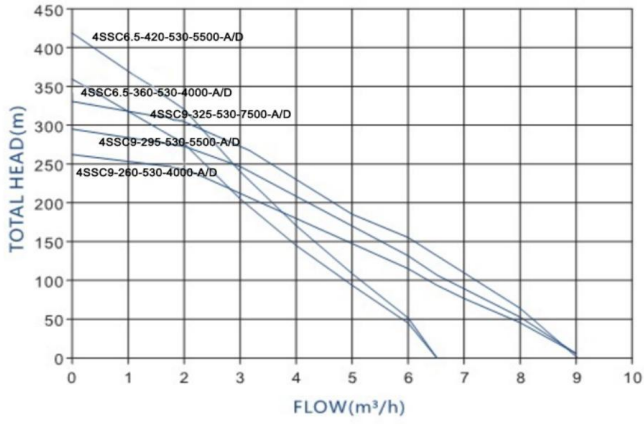


### Technical Data

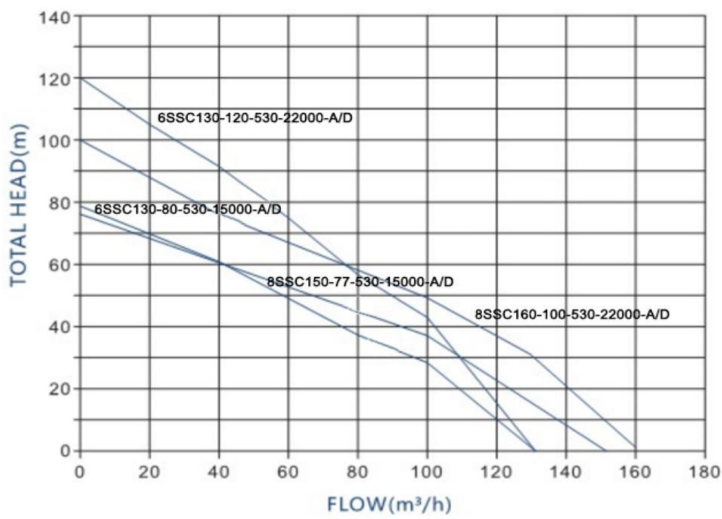
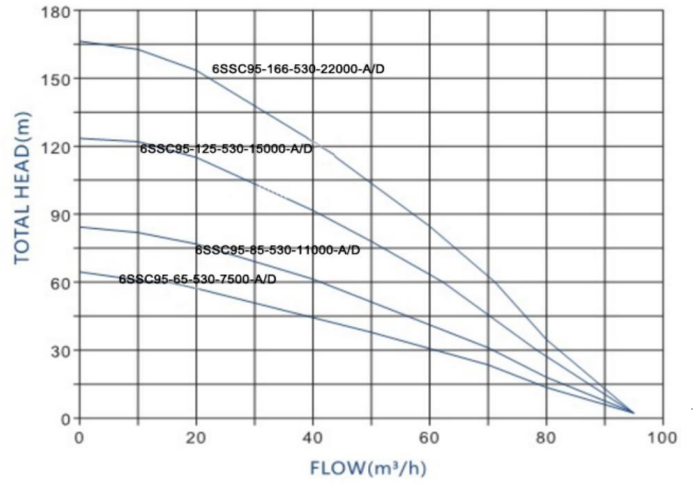
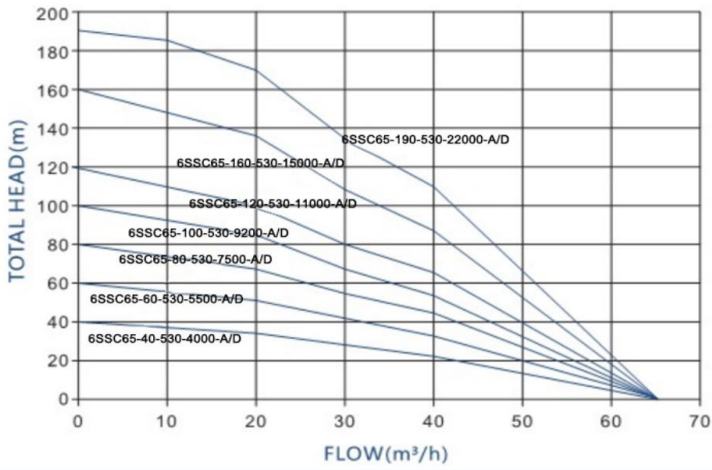
No	Model	Pump				Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	AC Voltage	DC Voltage						Open Voltage	Power	
1	4SSC6.5-360-530-4000-A/D	5.5	4KW	380V	530V	360	6.5	4	1.25	2	<780V	≥ 6KW	IP68
2	4SSC6.5-420-530-5500-A/D	7.5	5.5KW	380V	530V	420	6.5	4	1.25	2	<780V	≥ 9KW	IP68
3	4SSC9-260-530-4000-A/D	5.5	4KW	380V	530V	260	9	4	2	2	<780V	≥ 6KW	IP68
4	4SSC9-295-530-5500-A/D	7.5	5.5KW	380V	530V	295	9	4	2	2	<780V	≥ 9KW	IP68
5	4SSC9-325-530-7500-A/D	10	7.5KW	380V	530V	325	9	4	2	2	<780V	≥ 12KW	IP68
6	4SSC18-168-530-4000-A/D	5.5	4KW	380V	530V	168	18	4	2	2	<780V	≥ 6KW	IP68
7	4SSC18-200-530-5500-A/D	7.5	5.5KW	380V	530V	200	18	4	2	2	<780V	≥ 9KW	IP68
8	4SSC18-235-530-7500-A/D	10	7.5KW	380V	530V	235	18	4	2	2	<780V	≥ 12KW	IP68
9	4SSC22-115-530-4000-A/D	5.5	4KW	380V	530V	115	22	4	2	2	<780V	≥ 6KW	IP68
10	4SSC22-143-530-5500-A/D	7.5	5.5KW	380V	530V	143	22	4	2	2	<780V	≥ 9KW	IP68
11	4SSC22-169-530-7500-A/D	10	7.5KW	380V	530V	169	22	4	2	2	<780V	≥ 12KW	IP68
12	4SSC30-75-530-4000-A/D	5.5	4KW	380V	530V	75	30	4	2	2	<780V	≥ 6KW	IP68
13	4SSC30-96-530-5500-A/D	7.5	5.5KW	380V	530V	96	30	4	2	2	<780V	≥ 9KW	IP68
14	4SSC30-125-530-7500-A/D	10	7.5KW	380V	530V	125	30	4	2	2	<780V	≥ 12KW	IP68
15	4/6SSC36-88-530-4000-A/D	5.5	4KW	380V	530V	88	36	4/6	3	2	<780V	≥ 6KW	IP68
16	4/6SSC36-105-530-5500-A/D	7.5	5.5KW	380V	530V	105	36	4/6	3	2	<780V	≥ 9KW	IP68
17	4/6SSC36-122-530-7500-A/D	10	7.5KW	380V	530V	122	36	4/6	3	2	<780V	≥ 12KW	IP68
18	4/6SSC52-64-530-4000-A/D	5.5	4KW	380V	530V	65	52	4/6	3	2	<780V	≥ 6KW	IP68
19	4/6SSC52-80-530-5500-A/D	7.5	5.5KW	380V	530V	80	52	4/6	3	2	<780V	≥ 9KW	IP68
20	4/6SSC52-96-530-7500-A/D	10	7.5KW	380V	530V	96	52	4/6	3	2	<780V	≥ 12KW	IP68
21	4/6SSC65-40-530-4000-A/D	5.5	4KW	380V	530V	40	65	4/6	3	2	<780V	≥ 6KW	IP68
22	4/6SSC65-60-530-5500-A/D	7.5	5.5KW	380V	530V	60	65	4/6	3	2	<780V	≥ 9KW	IP68
23	4/6SSC65-80-530-7500-A/D	10	7.5KW	380V	530V	80	65	4/6	3	2	<780V	≥ 12KW	IP68
24	4/6SSC95-65-530-7500-A/D	10	7.5KW	380V	530V	65	95	4/6	3	2	<780V	≥ 12KW	IP68
25	6SSC36-88-530-4000-A/D	5.5	4KW	380V	530V	88	36	6	3	2	<780V	≥ 6KW	IP68
26	6SSC36-105-530-5500-A/D	7.5	5.5KW	380V	530V	105	36	6	3	2	<780V	≥ 6KW	IP68
27	6SSC36-122-530-7500-A/D	10	7.5KW	380V	530V	122	36	6	3	2	<780V	≥ 9KW	IP68
28	6SSC36-175-530-9200-A/D	12.5	9.2KW	380V	530V	175	36	6	3	2	<780V	≥ 12KW	IP68
29	6SSC36-190-530-11000-A/D	15	11KW	380V	530V	190	36	6	3	2	<780V	≥ 17KW	IP68
30	6SSC36-240-530-15000-A/D	20	15KW	380V	530V	240	36	6	3	2	<780V	≥ 23KW	IP68
31	6SSC36-280-530-22000-A/D	30	22KW	380V	530V	280	36	6	3	2	<780V	≥ 33KW	IP68
32	6SSC52-64-530-4000-A/D	5.5	4KW	380V	530V	64	52	6	3	2	<780V	≥ 6KW	IP68
33	6SSC52-80-530-5500-A/D	7.5	5.5KW	380V	530V	80	52	6	3	2	<780V	≥ 6KW	IP68
34	6SSC52-96-530-7500-A/D	10	7.5KW	380V	530V	96	52	6	3	2	<780V	≥ 9KW	IP68
35	6SSC52-128-530-9200-A/D	12.5	9.2KW	380V	530V	128	52	6	3	2	<780V	≥ 12KW	IP68
36	6SSC52-160-530-11000-A/D	15	11KW	380V	530V	160	52	6	3	2	<780V	≥ 17KW	IP68
37	6SSC52-192-530-15000-A/D	20	15KW	380V	530V	192	52	6	3	2	<780V	≥ 23KW	IP68
38	6SSC52-230-530-22000-A/D	30	22KW	380V	530V	230	52	6	3	2	<780V	≥ 33KW	IP68
39	6SSC65-40-530-4000-A/D	5.5	4KW	380V	530V	40	65	6	3	2	<780V	≥ 6KW	IP68
40	6SSC65-60-530-5500-A/D	7.5	5.5KW	380V	530V	60	65	6	3	2	<780V	≥ 6KW	IP68
41	6SSC65-80-530-7500-A/D	10	7.5KW	380V	530V	80	65	6	3	2	<780V	≥ 9KW	IP68
42	6SSC65-100-530-9200-A/D	12.5	9.2KW	380V	530V	100	65	6	3	2	<780V	≥ 12KW	IP68
43	6SSC65-120-530-11000-A/D	15	11KW	380V	530V	120	65	6	3	2	<780V	≥ 17KW	IP68
44	6SSC65-160-530-15000-A/D	20	15KW	380V	530V	160	65	6	3	2	<780V	≥ 23KW	IP68
45	6SSC65-190-530-22000-A/D	30	22KW	380V	530V	190	65	6	3	2	<780V	≥ 33KW	IP68
46	6SSC95-65-530-7500-A/D	10	7.5KW	380V	530V	65	95	6	4	2	<780V	≥ 9KW	IP68
47	6SSC95-85-530-11000-A/D	15	11KW	380V	530V	85	95	6	4	2	<780V	≥ 17KW	IP68
48	6SSC95-125-530-15000-A/D	20	15KW	380V	530V	125	95	6	4	2	<780V	≥ 23KW	IP68
49	6SSC95-166-530-22000-A/D	30	22KW	380V	530V	166	95	6	4	2	<780V	≥ 33KW	IP68
50	6SSC130-80-530-15000-A/D	20	15KW	380V	530V	80	130	6	4	2	<780V	≥ 23KW	IP68
51	6SSC130-120-530-22000-A/D	30	22KW	380V	530V	120	130	6	4	2	<780V	≥ 33KW	IP68
52	8SSC150-77-530-15000-A/D	20	15KW	380V	530V	77	150	8	5	2	<780V	≥ 23KW	IP68
53	8SSC160-100-530-22000-A/D	30	22KW	380V	530V	100	160	8	5	2	<780V	≥ 33KW	IP68



Performance Flow Chart





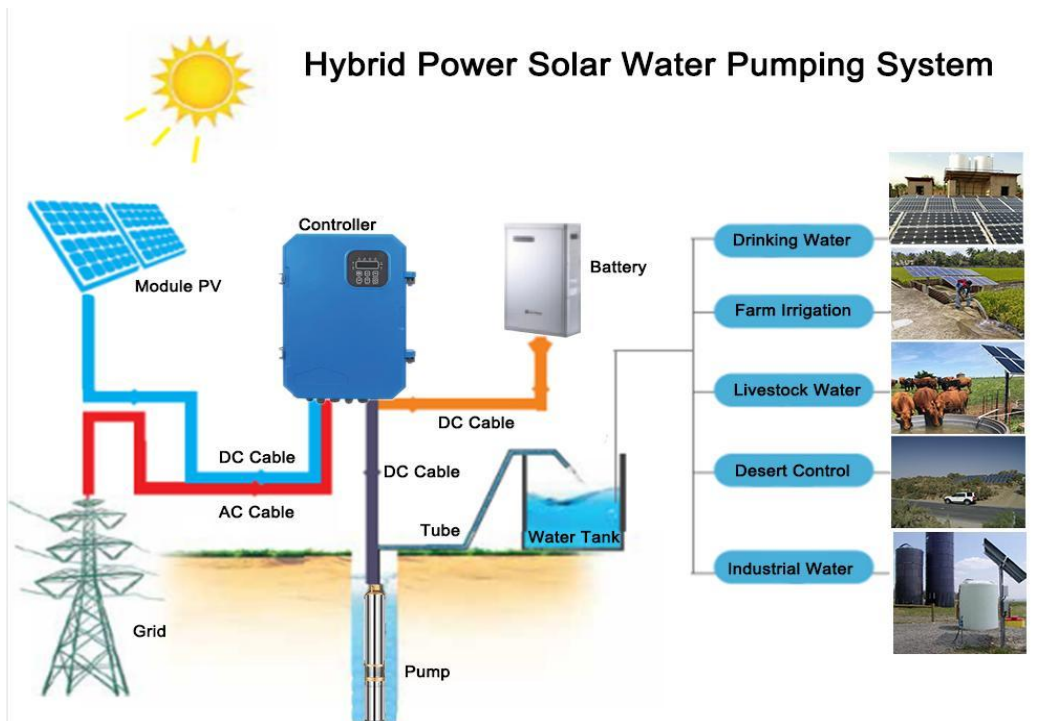


**Advantages**

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.



**Hybrid System Installation**





## AC DC Hybrid System Centrifugal Submersible Solar Water Pump (High Voltage)

### Application

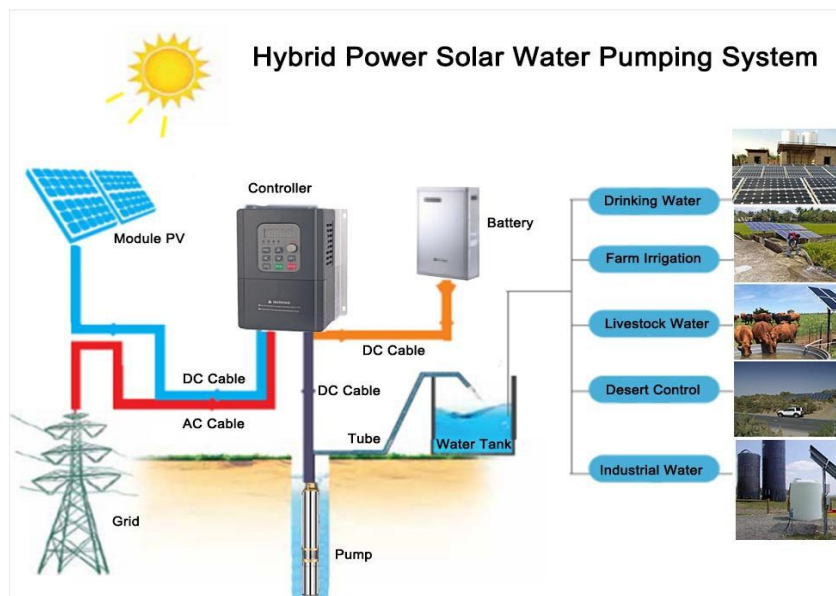
- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply



### Technical Data

No	Model	Pump				Max Head	Max Flow	Inlet	Outlet	Cable	Solar Panels		Protection
		HP	Power	AC Voltage	DC Voltage						Open Voltage	Power	
1	4HSC6-84-220-1100-A/D	1.5	1100W	150V-240V	300V-450V	84	6	4	1.25	2	<450V	≥ 1800W	IP68
2	4HSC6-112-220-1300-A/D	1.75	1300W	150V-240V	300V-450V	112	6	4	1.25	2	<450V	≥ 1800W	IP68
3	4HSC6-135-220-1500-A/D	2	1500W	150V-240V	300V-450V	135	6	4	1.25	2	<450V	≥ 2000W	IP68
4	4HSC6-175-220-2200-A/D	3	2200W	150V-240V	300V-450V	175	6	4	1.25	2	<450V	≥ 3000W	IP68
5	4HSC6-175-380-2200-A/D	3	2200W	350V-460V	480V-800V	175	6	4	1.25	2	<800V	≥ 3000W	IP68
6	4HSC6-230-380-3000-A/D	4	3000W	350V-460V	480V-800V	230	6	4	1.25	2	<800V	≥ 4000W	IP68
7	4HSC6-300-380-4000-A/D	5.5	4000W	350V-460V	480V-800V	300	6	4	1.25	2	<800V	≥ 5000W	IP68
8	4HSC9.5-85-220-1500-A/D	2	1500W	150V-240V	300V-450V	85	9.5	4	2	2	<450V	≥ 2000W	IP68
9	4HSC9.5-125-220-2200-A/D	3	2200W	150V-240V	300V-450V	125	9.5	4	2	2	<450V	≥ 3000W	IP68
10	4HSC9.5-125-380-2200-A/D	3	2200W	350V-460V	480V-800V	125	9.5	4	2	2	<800V	≥ 3000W	IP68
11	4HSC9.5-195-380-3000-A/D	4	3000W	350V-460V	480V-800V	196	9.5	4	2	2	<800V	≥ 4000W	IP68
12	4HSC9.5-250-380-4000-A/D	5.5	4000W	350V-460V	480V-800V	250	9.5	4	2	2	<800V	≥ 5000W	IP68
13	4HSC13-60-220-1500-A/D	2	1500W	150V-240V	300V-450V	60	13	4	2	2	<450V	≥ 2000W	IP68
14	4HSC13-110-220-2200-A/D	3	2200W	150V-240V	300V-450V	110	13	4	2	2	<450V	≥ 3000W	IP68
15	4HSC13-110-380-2200-A/D	3	2200W	350V-460V	480V-800V	110	13	4	2	2	<800V	≥ 3000W	IP68
16	4HSC13-150-380-3000-A/D	4	3000W	350V-460V	480V-800V	150	13	4	2	2	<800V	≥ 4000W	IP68
17	4HSC13-185-380-4000-A/D	5.5	4000W	350V-460V	480V-800V	185	13	4	2	2	<800V	≥ 5000W	IP68
18	4HSC13-220-380-5500-A/D	7.5	5500W	350V-460V	480V-800V	220	13	4	2	2	<800V	≥ 6000W	IP68
19	4HSC17-112-380-3000-A/D	4	3000W	350V-460V	480V-800V	112	17	4	2	2	<800V	≥ 4000W	IP68
20	4HSC17-150-380-4000-A/D	5.5	4000W	350V-460V	480V-800V	150	17	4	2	2	<800V	≥ 5000W	IP68
21	4HSC17-180-380-5500-A/D	7.5	5500W	350V-460V	480V-800V	180	17	4	2	2	<800V	≥ 6000W	IP68
22	4HSC20-98-380-4000-A/D	5.5	4000W	350V-460V	480V-800V	98	20	4	2	2	<800V	≥ 5000W	IP68
23	4HSC20-125-380-5500-A/D	7.5	5500W	350V-460V	480V-800V	125	20	4	2	2	<800V	≥ 5000W	IP68

### Hybrid System Installation



### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.

## MPPT CONTROLLER

MPPT controller conversion rate as high as **95%**

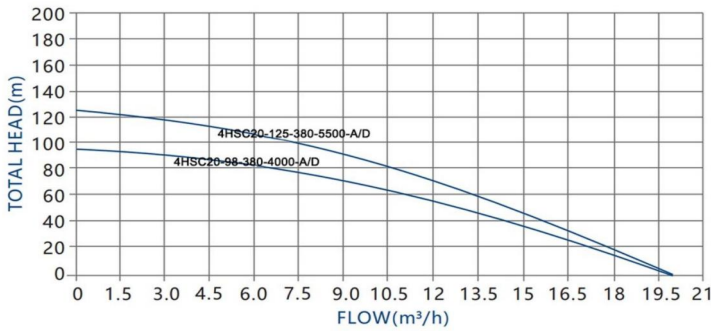
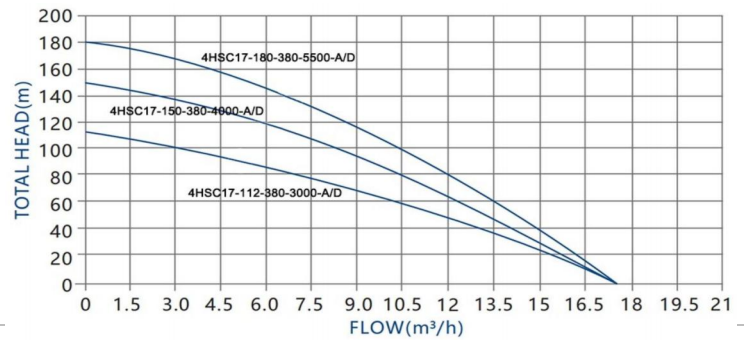
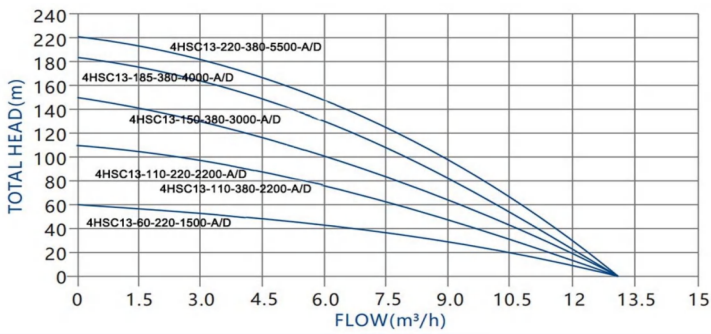
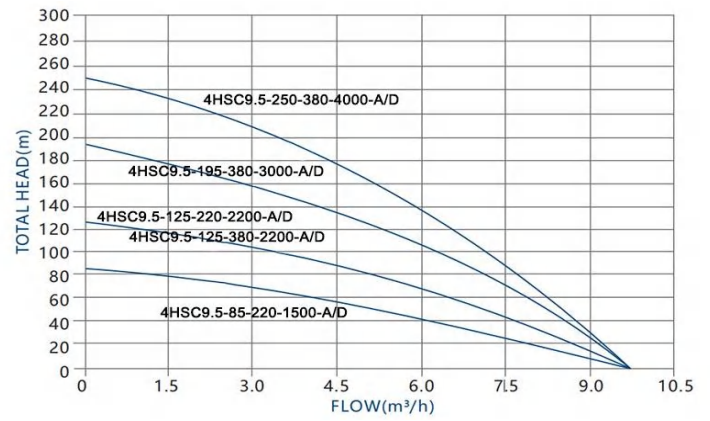
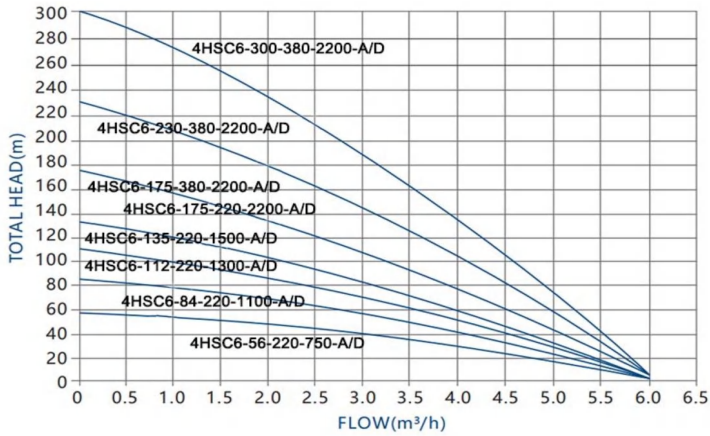
**Hybrid System Controller for Solar Water Pump**

- Maximum Power Point Tracking
- Water level sensor can be added
- Pressure switch can be added
- System circuit protection
- Overheating protection





### Performance Flow Chart



### Benefits

- \* Long life expectancy: DC brushless motor for a long lifetime.
- \* Fast and simple installation: Small size and portable, outer MPPT controller, easy for carrying and installation.
- \* Designed for use in remote and harsh conditions: It's workable for off-grid areas with solar panel power.
- \* High efficiency: Special design low speed starting motor for the solar-powered system, high energy efficiency.
- \* Hybrid power is available for AC voltage at home & industrial electricity.

### Features

- \* Engineered and manufactured in China.
- \* Overload protection, over & under-voltage protection, thermal protection setting.
- \* Automatic restart setting.
- \* Maintenance-free unattended operation solar water pump system with water level sensor.
- \* Submersible, it can be installed vertically or horizontally.



## AC DC Hybrid System Centrifugal Submersible Solar Water Pump (High Voltage)

### Application

- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply



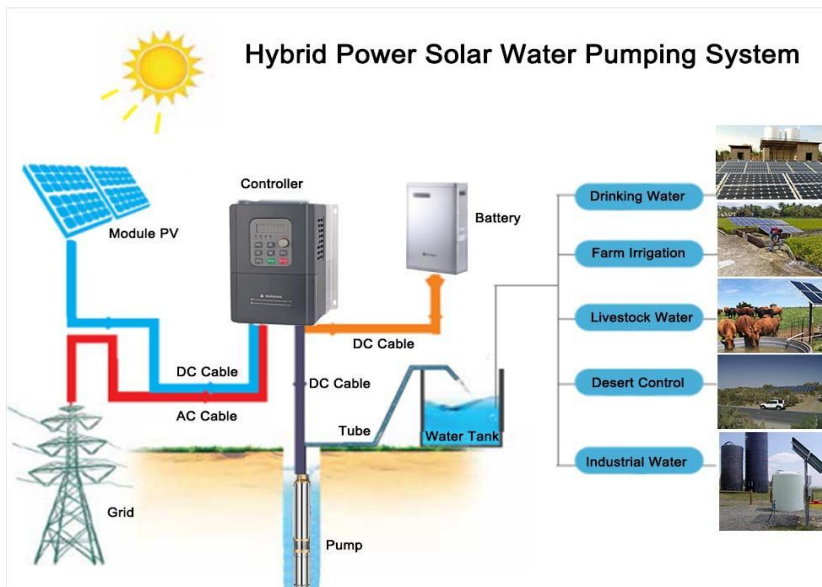
**FREE ACCESSORIES**



### Technical Data

No	Model	Pump				Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	AC Voltage	DC Voltage						Open Voltage	Power	
1	4HSSC4.5-203-220-1500-A/D	2	1500W	150V-240V	300V-450V	203	4.5	4	1.25	2	<450V	≥ 2000W	IP68
2	4HSSC5-101-220-1100-A/D	1.5	1100W	150V-240V	300V-450V	101	5	4	1.25	2	<450V	≥ 1800W	IP68
3	4HSSC5-146-220-1300-A/D	1.75	1300W	150V-240V	300V-450V	146	5	4	1.25	2	<450V	≥ 1800W	IP68
4	4HSSC5-255-220-2200-A/D	3	2200W	150V-240V	300V-450V	255	5	4	1.25	2	<450V	≥ 3000W	IP68
5	4HSSC5-255-380-2200-A/D	3	2200W	350V-460V	480V-800V	255	5	4	1.25	2	<800V	≥ 3000W	IP68
6	4HSSC5-300-380-3000-A/D	4	3000W	350V-460V	480V-800V	300	5	4	1.25	2	<800V	≥ 4000W	IP68
7	4HSSC7-80-220-1300-A/D	1.75	1300W	150V-240V	300V-450V	80	7	4	1.25	2	<450V	≥ 1800W	IP68
8	4HSSC7-100-220-1500-A/D	2	1500W	150V-240V	300V-450V	100	7	4	1.25	2	<450V	≥ 2000W	IP68
9	4HSSC7-150-220-2200-A/D	3	2200W	150V-240V	300V-450V	150	7	4	1.25	2	<450V	≥ 3000W	IP68
10	4HSSC7-125-380-2200-A/D	3	2200W	350V-460V	480V-800V	150	7	4	1.25	2	<800V	≥ 3000W	IP68
11	4HSSC7-210-380-3000-A/D	4	3000W	350V-460V	480V-800V	210	7	4	1.25	2	<800V	≥ 4000W	IP68
12	4HSSC7-265-380-4000-A/D	5.5	4000W	350V-460V	480V-800V	265	7	4	1.25	2	<800V	≥ 5000W	IP68
13	4HSSC9-72-220-1500-A/D	2	1500W	150V-240V	300V-450V	72	9	4	2	2	<450V	≥ 2000W	IP68
14	4HSSC9-120-220-2200-A/D	3	2200W	150V-240V	300V-450V	120	9	4	2	2	<450V	≥ 3000W	IP68
15	4HSSC9-120-380-2200-A/D	3	2200W	350V-460V	480V-800V	120	9	4	2	2	<800V	≥ 3000W	IP68
16	4HSSC9-155-380-3000-A/D	4	3000W	350V-460V	480V-800V	155	9	4	1.25	2	<800V	≥ 4000W	IP68
17	4HSSC9-200-380-4000-A/D	5.5	4000W	350V-460V	480V-800V	200	9	4	1.25	2	<800V	≥ 5000W	IP68
18	4HSSC19-34-220-1500-A/D	2	1500W	150V-240V	300V-450V	34	19	4	2	2	<450V	≥ 2000W	IP68
19	4HSSC19-57-220-2200-A/D	3	2200W	150V-240V	300V-450V	57	19	4	2	2	<450V	≥ 3000W	IP68
20	4HSSC19-57-380-2200-A/D	3	2200W	350V-460V	480V-800V	57	19	4	2	2	<800V	≥ 3000W	IP68
21	4HSSC19-90-380-3000-A/D	4	3000W	350V-460V	480V-800V	90	19	4	2	2	<800V	≥ 4000W	IP68
22	4HSSC19-135-380-4000-A/D	5.5	4000W	350V-460V	480V-800V	135	19	4	2	2	<800V	≥ 5000W	IP68
23	4HSSC19-170-380-5500-A/D	7.5	5500W	350V-460V	480V-800V	170	19	4	2	2	<800V	≥ 6000W	IP68
24	4HSSC25-25-220-1500-A/D	2	1500W	150V-240V	300V-450V	25	25	4	2	2	<450V	≥ 2000W	IP68
25	4HSSC30-36-220-2200-A/D	3	2200W	150V-240V	300V-450V	36	30	4	2	2	<450V	≥ 3000W	IP68
26	4HSSC30-36-380-2200-A/D	3	2200W	350V-460V	480V-800V	36	30	4	2	2	<800V	≥ 3000W	IP68
27	4HSSC30-50-380-3000-A/D	4	3000W	350V-460V	480V-800V	50	30	4	2	2	<800V	≥ 4000W	IP68
28	4HSSC30-72-380-4000-A/D	5.5	4000W	350V-460V	480V-800V	72	30	4	2	2	<800V	≥ 5000W	IP68
29	4HSSC30-96-380-5500-A/D	7.5	5500W	350V-460V	480V-800V	96	30	4	2	2	<800V	≥ 6000W	IP68
30	4HSSC30-120-380-7500-A/D	10	7500W	350V-460V	480V-800V	120	30	4	2	2	<800V	≥ 8500W	IP68

### Hybrid System Installation



### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.

### MPPT CONTROLLER

MPPT controller conversion rate as high as 95%

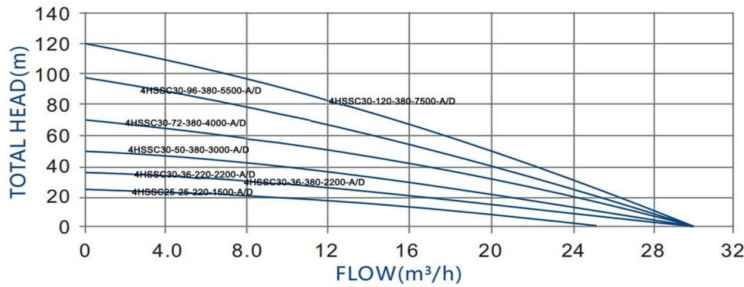
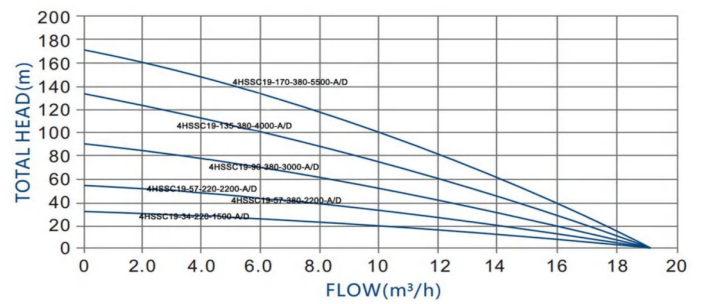
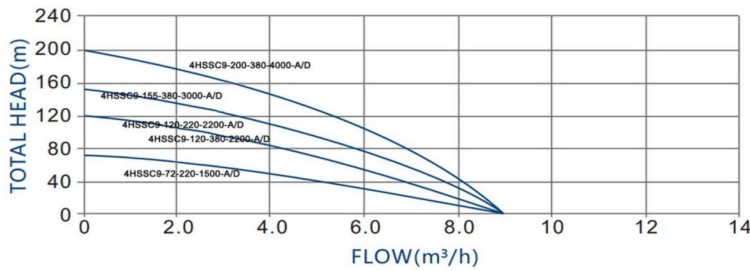
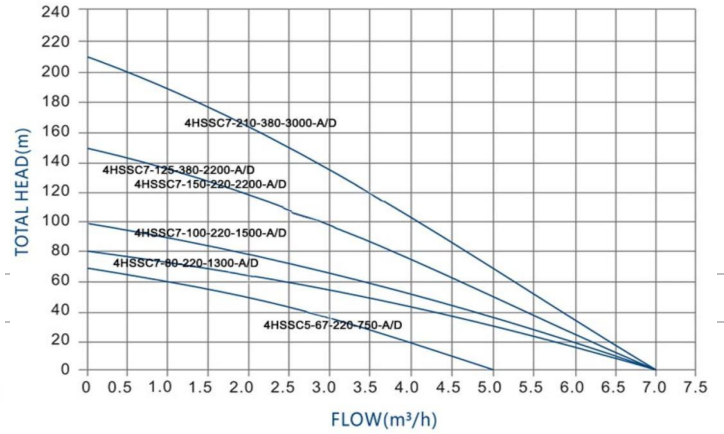
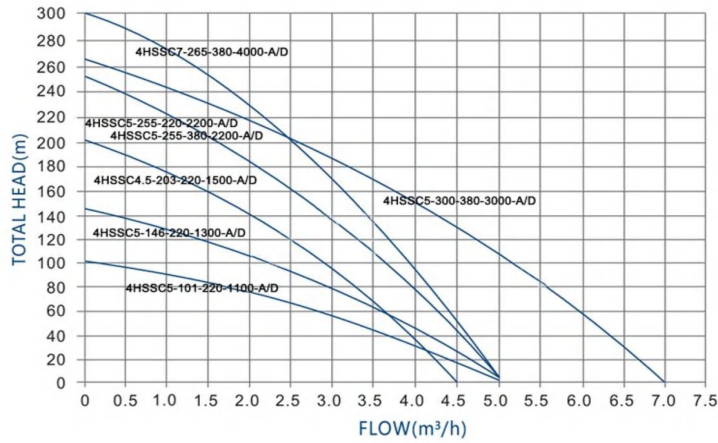
Hybrid System Controller for Solar Water Pump

- Maximum Power Point Tracking
- Water level sensor can be added
- Pressure switch can be added
- System circuit protection
- Overheating protection





### Performance Flow Chart



### Benefits

- \* Long life expectancy: DC brushless motor for a long lifetime.
- \* Fast and simple installation: Small size and portable, outer MPPT controller, easy for carrying and installation.
- \* Designed for use in remote and harsh conditions: It's workable for off-grid areas with solar panel power.
- \* High efficiency: Special design low speed starting motor for the solar-powered system, high energy efficiency.
- \* Hybrid power is available for AC voltage at home & industrial electricity.

### Features

- \* Engineered and manufactured in China.
- \* Overload protection, over & under-voltage protection, thermal protection setting.
- \* Automatic restart setting.
- \* Maintenance-free unattended operation solar water pump system with water level sensor.
- \* Submersible, it can be installed vertically or horizontally.



### AC DC Hybrid System Centrifugal Submersible Solar Water Pump (High Voltage)

#### Application

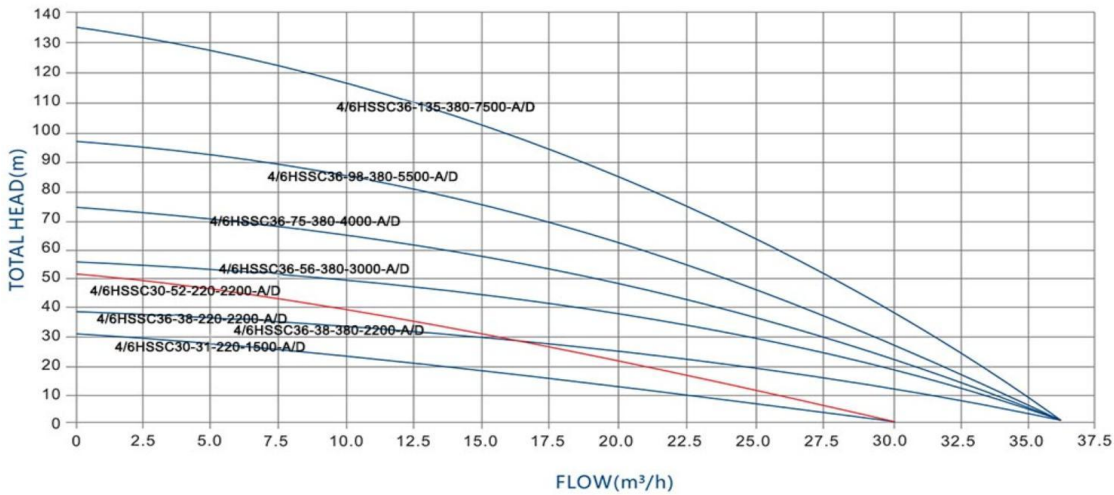
- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply



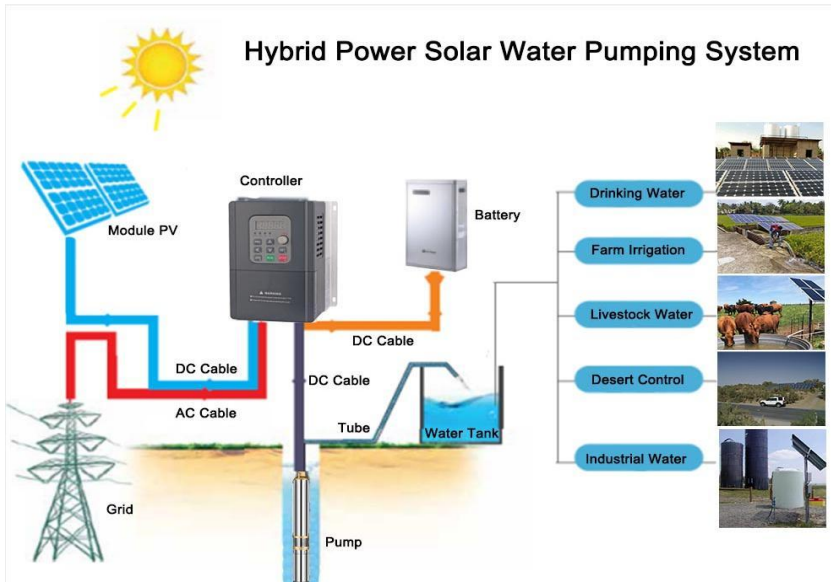
#### Technical Data

No	Model	Pump		AC Voltage	DC Voltage	Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power								Open Voltage	Power	
1	4/6HSSC30-31-220-1500-A/D	2	1500W	150V-240V	300V-450V	31	30	6	3	2	<450V	≥ 2000W	IP68
2	4/6HSSC30-52-220-2200-A/D	3	2200W	150V-240V	300V-450V	52	30	6	3	2	<450V	≥ 3000W	IP68
3	4/6HSSC36-38-220-2200-A/D	3	2200W	150V-240V	300V-450V	38	36	6	3	2	<450V	≥ 3000W	IP68
4	4/6HSSC36-38-380-2200-A/D	3	2200W	350V-460V	480V-800V	38	36	6	3	2	<800V	≥ 3000W	IP68
5	4/6HSSC36-56-380-3000-A/D	4	3000W	350V-460V	480V-800V	56	36	6	3	2	<800V	≥ 4000W	IP68
6	4/6HSSC36-75-380-4000-A/D	5.5	4000W	350V-460V	480V-800V	75	36	6	3	2	<800V	≥ 5000W	IP68
7	4/6HSSC36-98-380-5500-A/D	7.5	5500W	350V-460V	480V-800V	98	36	6	3	2	<800V	≥ 6000W	IP68
8	4/6HSSC36-135-380-7500-A/D	10	7500W	350V-460V	480V-800V	135	36	6	3	2	<800V	≥ 8500W	IP68

#### Performance Flow Chart



#### Hybrid System Installation



#### Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.

#### MPPT CONTROLLER

MPPT controller conversion rate as high as 95%

Hybrid System Controller for Solar Water Pump







## AC DC Hybrid System Centrifugal Submersible Solar Water Pump (High Voltage)

### Application

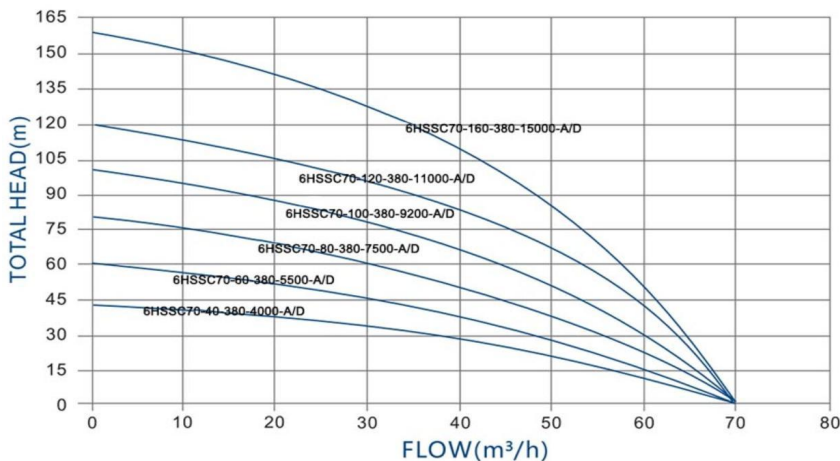
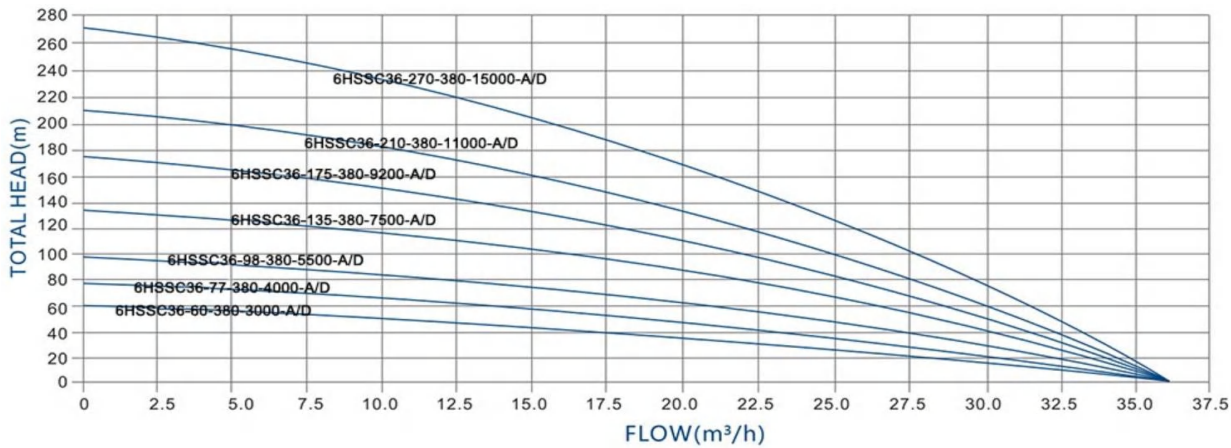
- \* Drinking water supply
- \* Livestock watering
- \* Agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation
- \* Desert control
- \* Industrial water supply
- \* Construction water supply

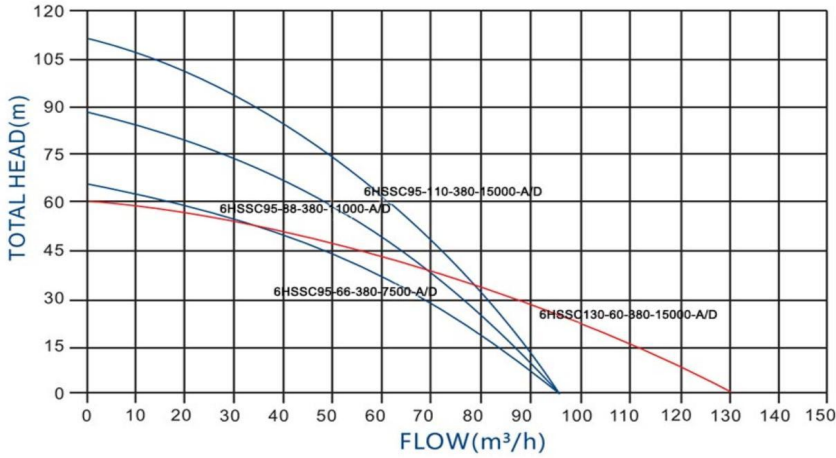


### Technical Data

No	Model	Pump				Max Head Meter	Max Flow M3/H	Inlet Inch	Outlet Inch	Cable Meter	Solar Panels		Protection
		HP	Power	AC Voltage	DC Voltage						Open Voltage	Power	
1	6HSSC36-60-380-3000-A/D	4	3000W	350V-460V	480V-800V	60	36	6	3	2	<800V	≥ 4000W	IP68
2	6HSSC36-77-380-4000-A/D	5.5	4000W	350V-460V	480V-800V	77	36	6	3	2	<800V	≥ 5000W	IP68
3	6HSSC36-98-380-5500-A/D	7.5	5500W	350V-460V	480V-800V	98	36	6	3	2	<800V	≥ 6000W	IP68
4	6HSSC36-135-380-7500-A/D	10	7500W	350V-460V	480V-800V	135	36	6	3	2	<800V	≥ 8500W	IP68
5	6HSSC36-175-380-9200-A/D	12.5	9200W	350V-460V	480V-800V	175	36	6	3	2	<800V	≥ 10KW	IP68
6	6HSSC36-210-380-11000-A/D	15	11KW	350V-460V	480V-800V	210	36	6	3	2	<800V	≥ 15KW	IP68
7	6HSSC36-270-380-15000-A/D	20	15KW	350V-460V	480V-800V	270	36	6	3	2	<800V	≥ 20KW	IP68
8	6HSSC70-40-380-4000-A/D	5.5	4000W	350V-460V	480V-800V	40	70	6	3	2	<800V	≥ 5000W	IP68
9	6HSSC70-60-380-5500-A/D	7.5	5500W	350V-460V	480V-800V	60	70	6	3	2	<800V	≥ 6000W	IP68
10	6HSSC70-80-380-7500-A/D	10	7500W	350V-460V	480V-800V	80	70	6	3	2	<800V	≥ 8500W	IP68
11	6HSSC70-100-380-9200-A/D	12.5	9200W	350V-460V	480V-800V	100	70	6	3	2	<800V	≥ 10KW	IP68
12	6HSSC70-120-380-11000-A/D	15	11KW	350V-460V	480V-800V	120	70	6	3	2	<800V	≥ 15KW	IP68
13	6HSSC70-160-380-15000-A/D	20	15KW	350V-460V	480V-800V	160	70	6	3	2	<800V	≥ 20KW	IP68
14	6HSSC95-66-380-7500-A/D	10	7500W	350V-460V	480V-800V	66	95	6	3	2	<800V	≥ 8500W	IP68
15	6HSSC95-88-380-11000-A/D	15	11KW	350V-460V	480V-800V	88	95	6	3	2	<800V	≥ 15KW	IP68
16	6HSSC95-110-380-15000-A/D	20	15KW	350V-460V	480V-800V	110	95	6	3	2	<800V	≥ 20KW	IP68
17	6HSSC130-60-380-15000-A/D	20	15KW	350V-460V	480V-800V	60	130	6	3	2	<800V	≥ 20KW	IP68

### Performance Flow Chart



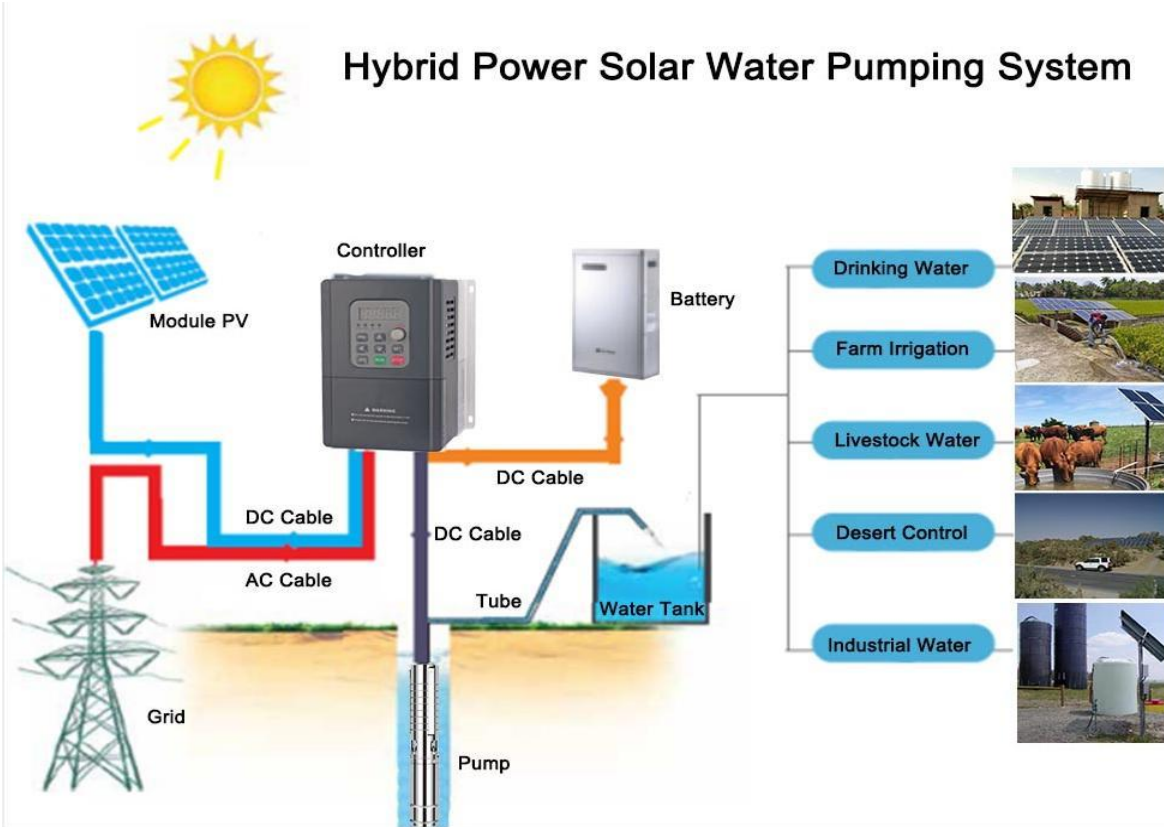


Advantages

- \* With high efficiency permanent magnetic motor, efficiency improved 15%-30%.
- \* Environmental protection, clean energy, can be powered by both solar panel and battery.
- \* Over-load protection, under-load protection, lock-motor protection, thermal protection.
- \* With MPPT function.
- \* Much longer life than the normal AC water pump.



Hybrid System Installation



Benefits

- \* Long life expectancy: DC brushless motor for a long lifetime.
- \* Fast and simple installation: Small size and portable, outer MPPT controller, easy for carrying and installation.
- \* Designed for use in remote and harsh conditions: It's workable for off-grid areas with solar panel power.
- \* High efficiency: Special design low speed starting motor for the solar-powered system, high energy efficiency.
- \* Hybrid power is available for AC voltage at home & industrial electricity.

Features

- \* Engineered and manufactured in China.
- \* Overload protection, over & under-voltage protection, thermal protection setting.
- \* Automatic restart setting.
- \* Maintenance-free unattended operation solar water pump system with water level sensor.
- \* Submersible, it can be installed vertically or horizontally.





## DC Centrifugal Solar Power Pond Management Pump Aerator

### Application

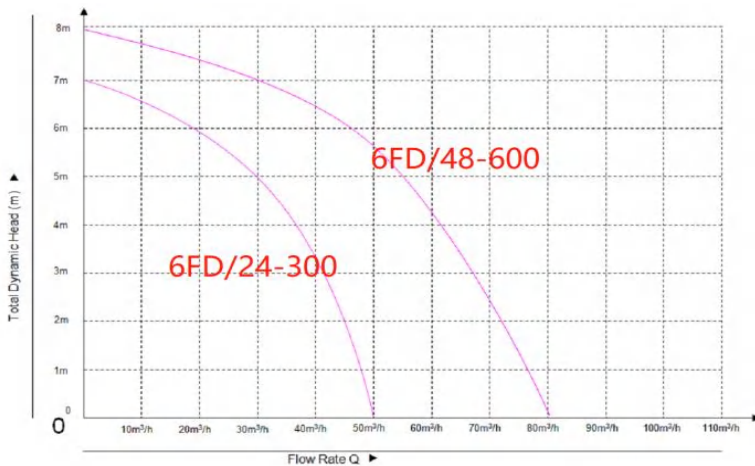
- \* Fish pond aerator and drainage
- \* Farming irrigation
- \* Purifying water quality
- \* Pond management
- \* Responsible leisure
- \* Landscape



### Technical Data

Model	Power	MPPT Voltage	Open Voltage	Max Flow	Rate Flow	Rate Head	Max Head	Inlet	Outlet	Pump Size	Floater Size	Solar Panels	Protection
				T/H	T/H	M	M	MM	MM	MM	CM	WATT	
6FDF24-300	300W	36V	44V	40	30	3	5	76	80	0D:185+520(H)	OD:40+20(H)	4PCS*140W 18V 2PCS*300W 36V	IP68
6FDF48-600	600W	72V	88V	60	40	5	8	76	80	0D:185+520(H)	OD:40+20(H)	8PCS*140W 18V 4PCS*300W 36V	IP68

### Performance Flow Chart



### Technical Data

- \* Pump standard setting 3m cables.
- \* Solar panels recommend: 300w pump with 4pcs 140w 18V or 2pcs 300W 36V; 600W pump 8pcs 140W 18V or 300W 36V high flow rate.
- \* Packing: 21\*26\*46cm & 40\*40\*20cm per set, gross weight 7kgs, volume weight 11.50kgs.
- \* Recommend for freshwater usage, seawater is all available with customization.

### Pump Structure

#### Pump Structure



### Aerator Working Principle

\* Floating on the water surface, the solar aerator can take oxygen-poor water from underwater powered by the solar panel, and spray into the air with fountain type from the sprayer, dispersed water droplets of varying sizes into the fishpond. In this period, the contact area between water and air increased, then abundant dissolved oxygen into the pond.

\* A dome of water caused by the drop of water on the surface increases the oxygen again.

\* Hypoxic water with low temperature and high density in the lower layer was pumped to the upper surface, which cause upper and lower pond water convection. The transfer of oxygen-rich water to the middle and lower layers of the fish pond was accelerated, the natural oxygen effect of air and water surface was made full use of. Harmful gases from water in the middle and lower layers are released into the air when water shoots into the air, improving the quality of the fishpond.



### Benefits

- \* Special design solar-powered system with high & lower voltage protection, anti-locked setting, over loading protection on amp draw & temperature to keep pump excellent with continuous working on pond management.
- \* Centrifugal type pump with inner CPU control processing, unattended smart operation system. Easy installation finish, maintenance-free.



#### EASY OPERATION

Light weight and removeable  
Just put solar aerator into water when connected with solar panels and controller  
100% water proof.



#### INCREASE PRODUCTION

As the temperature of pond surface water is higher than bottom of pond, when using aeratorit directly for irrigation will be a great help for Crop growth.



#### ENERGY SAVING

Controller has mppt function can track the highest solar power ponit then send back to aerator pump to work efficient. Also solar aerator can automatically working when sun rise and stop working when sunset (Battery back working at night is optional)



#### LONG LIFESPAN

All material adopts engineering plastic, more strong and sturdy, suit for all kind of water quality. Inside shaft and mechanical seal will not influenced by water depth or sand/slurry, so it has longer lifespan

### Features

# Why choose our aerator?

Our products have the following advantages

- Permanent magnet synchronous motor ✓
- Durable and efficient ✓
- Even water spray ✓
- MPPT tracking function ✓
- High-lift jet ✓
- Large area coverage ✓
- Dissolved oxygen balance ✓
- Purified water quality ✓
- Increase water circulation ✓
- Improve aquatic environment ✓
- Reduce disease occurrence ✓
- Promote growth ✓





**DC Waterproof Isolator Switch**

# Solar DC Waterproof Isolator Switch

Easy to install and operate, easy snap-on fitting of auxiliary switches



DIN rail mounting for easy installation.



Load-breaking up to 8 times rated current.



Double-break with silver rivets-superior performance.



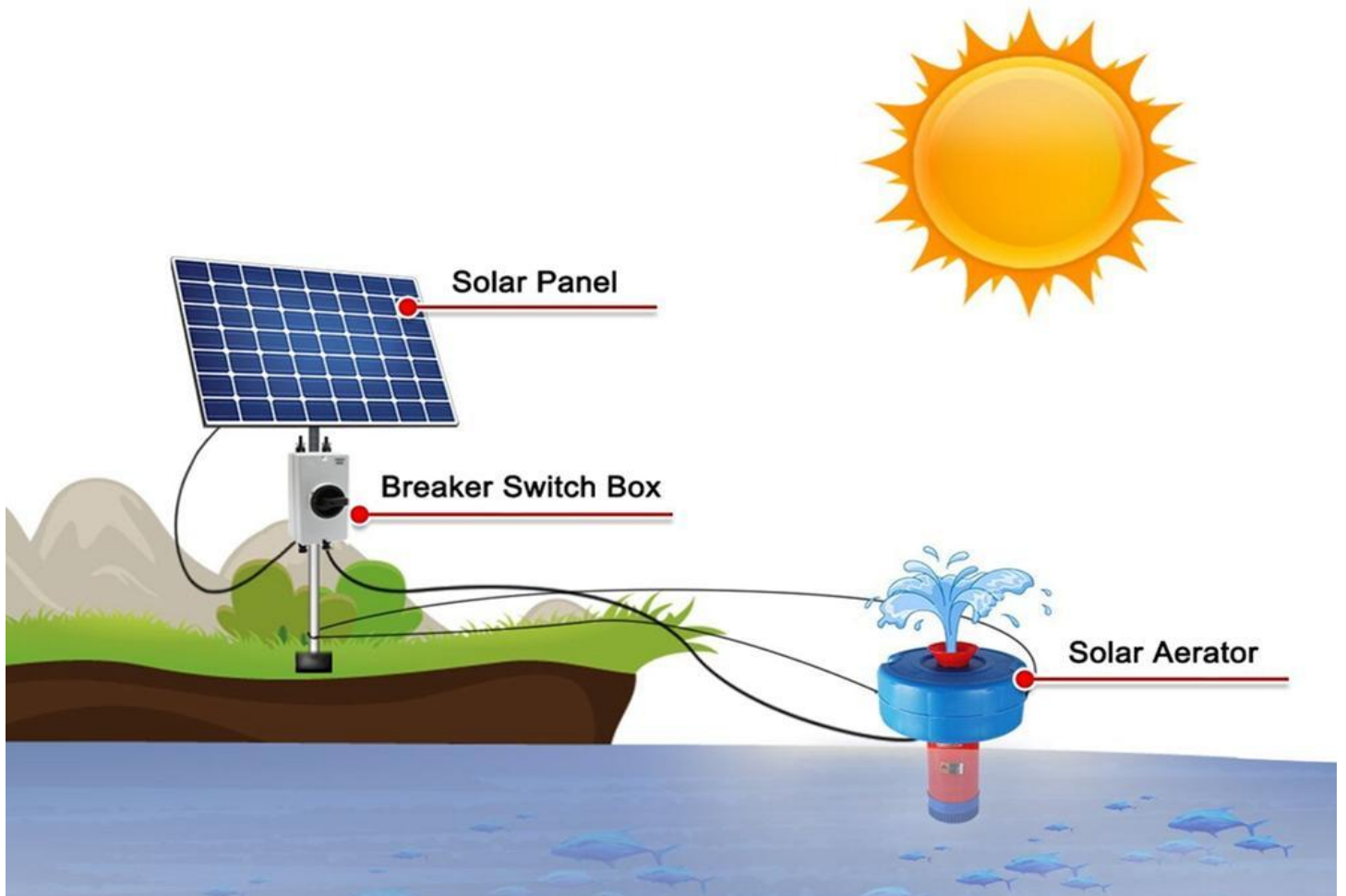
Highly visible red/yellow handle.



High IP66 waterproof rating.



**Installation Diagram**





## DC Brushless Surface Peripheral Solar Water Pump (Built-in DSP & MPPT Controller)

### Application

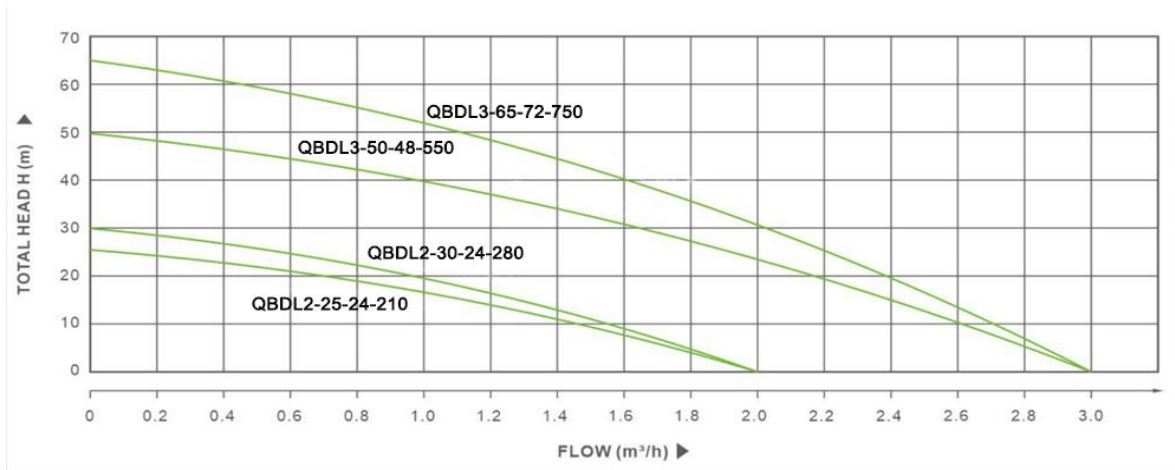
- \* Drinking water supply
- \* Livestock watering
- \* Small agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Small family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation



### Technical Data

No	Model	Pump					Suction Meter	Max Head Meter	Max Flow M3/H	Outlet Inch	Solar Panels			Protection
		HP	Power	Input Voltage	Rate Voltage	Open Voltage					Voltage	Power	Quantity	
1	QBDL2-25-24-210	0.28	210W	DC 30-48V	DC 24V	DC 50V	8	25	2	1"x1"	DC 36V	330W	1 PC	IP44
2	QBDL2-30-24-280	0.37	280W	DC 30-48V	DC 24V	DC 50V	8	30	2	1"x1"	DC 36V	250W	2 PCS	IP44
3	QBDL3-50-48-550	0.75	550W	DC 60-90V	DC 48V	DC 100V	8	50	3	1"x1"	DC 36V	250W	4 PCS	IP44
4	QBDL3-65-72-750	1	750W	DC 90-120V	DC 72V	DC 150V	8	65	3.0	1"x1"	DC 36V	330W	4 PCS	IP44

### Performance Flow Chart



### Spare Parts

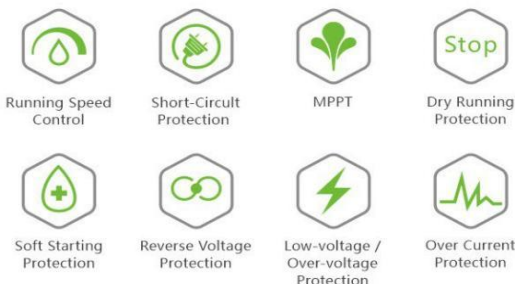


### Benefits

- \* Maintenance Free Brushless DC Motor.
- \* Fast and simple installation: Small size and portable, built-in DSP & MPPT controller, easy for carrying and installation.
- \* Control inputs for well probe, dry-running protection.
- \* Battery operation, low voltage disconnect for battery tracking.
- \* Overload and high adjustable speed control of motor.
- \* Temperature protection and against reverse polarity.

### Features

- \* Engineered and manufactured in China.
- \* Overload protection, over & under-voltage protection, thermal protection setting.
- \* Automatic restart setting.
- \* Built-in MPPT controller design.





### DC Brushless Surface Centrifugal Solar Water Pump (Built-in DSP & MPPT Controller)

#### Application

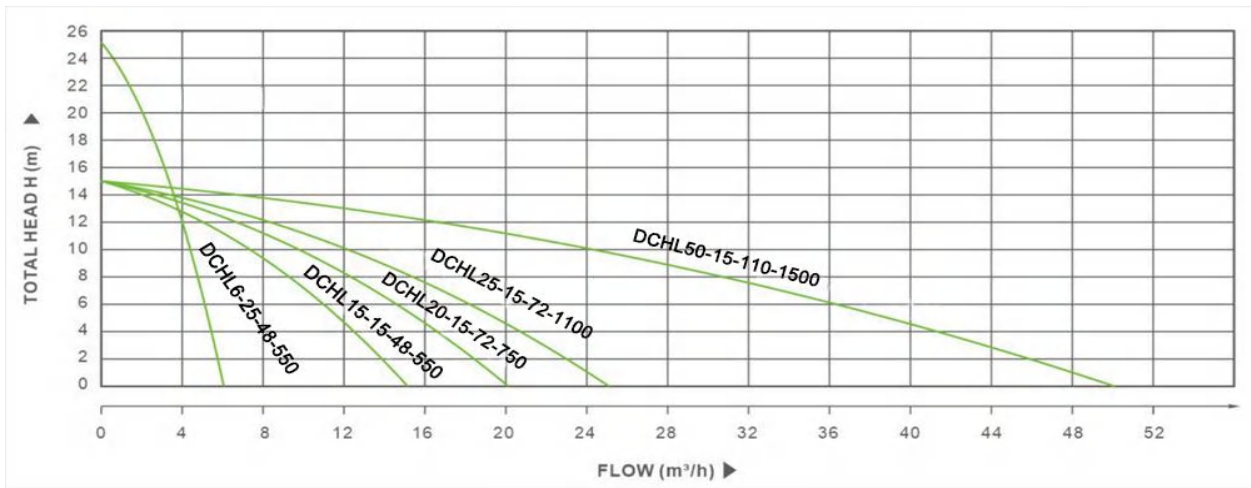
- \* Drinking water supply
- \* Livestock watering
- \* Small agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Small family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation



#### Technical Data

No	Model	Pump					Max Head	Max Flow	Outlet	Solar Panels			Protection
		HP	Power	Input Voltage	Rate Voltage	Open Voltage				Meter	M3/H	Inch	
1	DCHL6-25-48-550	0.75	550W	DC 60-90V	DC 48V	DC 100V	25	6	1"x1"	DC 36V	250W	4 PCS	IP44
2	DCHL15-15-48-550	0.75	550W	DC 60-90V	DC 48V	DC 100V	15	15	1.5"x1.5"	DC 36V	250W	4 PCS	IP44
3	DCHL20-15-72-750	1	750W	DC 90-120V	DC 72V	DC 150V	15	20	2"x2"	DC 36V	330W	4 PCS	IP44
4	DCHL25-15-72-1100	1.5	1100W	DC 90-120V	DC 72V	DC 150V	15	25	2"x2"	DC 36V	300W	6 PCS	IP44
5	DCHL50-15-110-1500	2	1500W	DC 110-150V	DC 110V	DC 200V	15	50.0	3"x3"	DC 36V	300W	8 PCS	IP44

#### Performance Flow Chart



#### Spare Parts

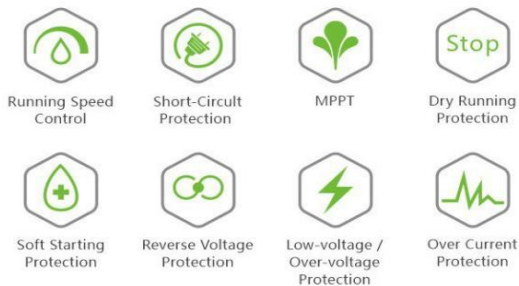


#### Benefits

- \* Maintenance Free Brushless DC Motor.
- \* Fast and simple installation: Small size and portable, built-in DSP & MPPT controller, easy for carrying and installation.
- \* Control inputs for well probe, dry-running protection.
- \* Battery operation, low voltage disconnect for battery tracking.
- \* Overload and high adjustable speed control of motor.
- \* Temperature protection and against reverse polarity.

#### Features

- \* Engineered and manufactured in China.
- \* Overload protection, over & under-voltage protection, thermal protection setting.
- \* Automatic restart setting.
- \* Built-in MPPT controller design.
- \* It's not suction pump.







### DC Brushless Surface Jet Solar Water Pump (Built-in DSP & MPPT Controller)

#### Application

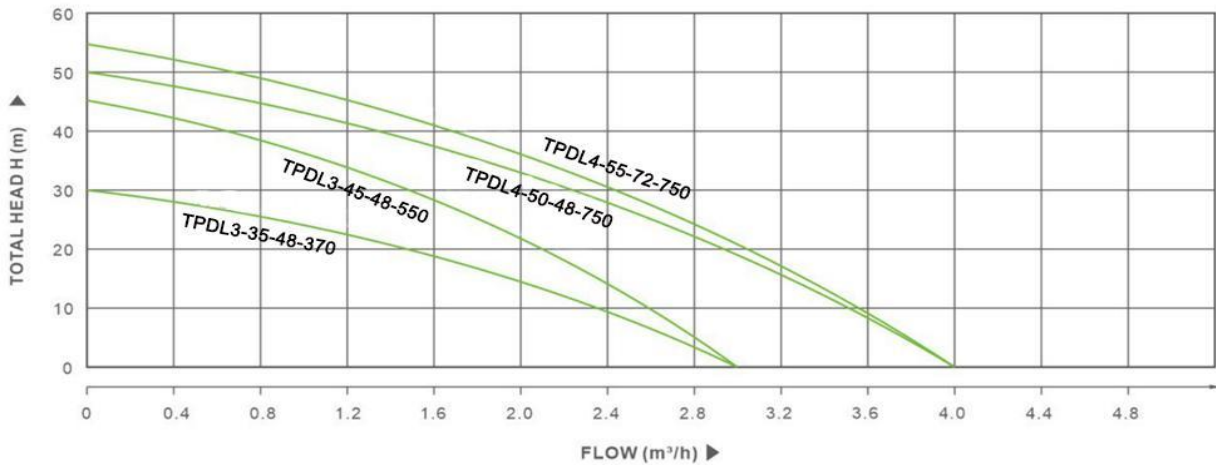
- \* Drinking water supply
- \* Livestock watering
- \* Small agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Small family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation



#### Technical Data

No	Model	Pump					Max Head	Max Flow	Outlet	Solar Panels			Protection
		HP	Power	Input Voltage	Rate Voltage	Open Voltage				Voltage	Power	Quantity	
1	TPDL3-35-48-370	0.5	370W	DC 60-90V	DC 48V	DC 100V	35	3	1"x1"	DC 36V	300W	2 PCS	IP44
2	TPDL3-45-48-550	0.75	550W	DC 60-90V	DC 48V	DC 100V	45	3	1"x1"	DC 36V	250W	4 PCS	IP44
3	TPDL4-50-48-750	1	750W	DC 60-90V	DC 48V	DC 100V	50	4	1"x1"	DC 36V	300W	4 PCS	IP44
4	TPDL4-55-72-750	1	750W	DC 90-120V	DC 72V	DC 150V	55	4	1"x1"	DC 36V	200W	6 PCS	IP44

#### Performance Flow Chart



#### Spare Parts

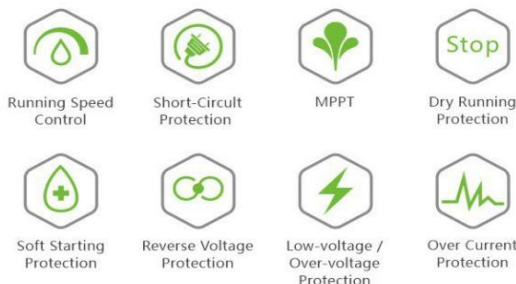


#### Benefits

- \* Maintenance Free Brushless DC Motor.
- \* Fast and simple installation: Small size and portable, built-in DSP & MPPT controller, easy for carrying and installation.
- \* Control inputs for well probe, dry-running protection.
- \* Battery operation, low voltage disconnect for battery tracking.
- \* Overload and high adjustable speed control of motor.
- \* Temperature protection and against reverse polarity.

#### Features

- \* Engineered and manufactured in China.
- \* Overload protection, over & under-voltage protection, thermal protection setting.
- \* Automatic restart setting.
- \* Built-in MPPT controller design.
- \* It's not sunction pump.

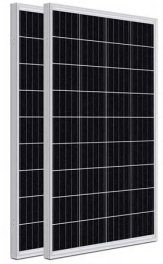




### DC Brushless Surface Swimming Pool Solar Water Pump (Outer MPPT Controller)

#### Application

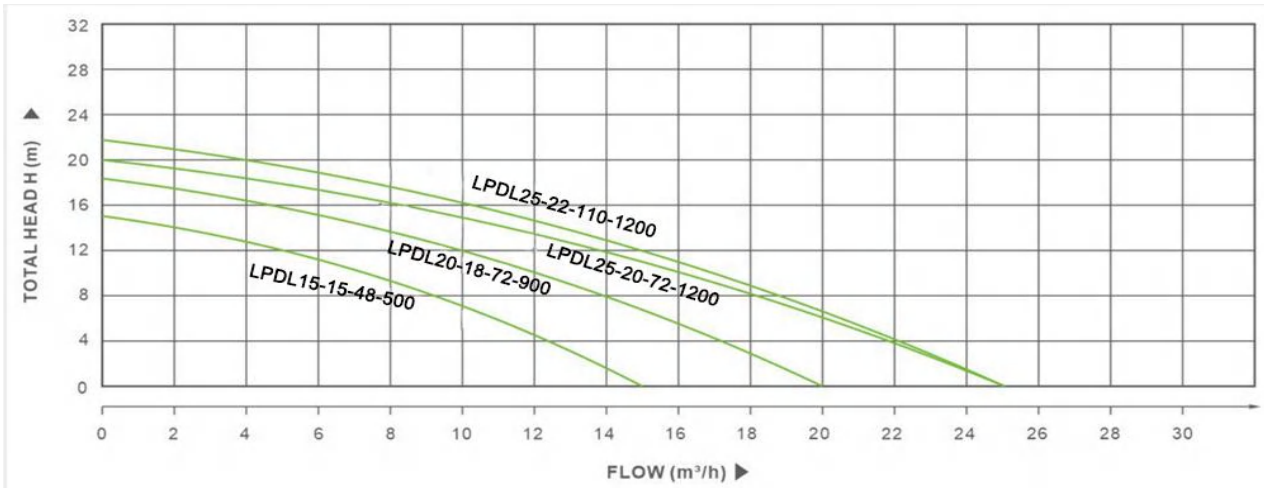
- \* Drinking water supply
- \* Livestock watering
- \* Small agriculture irrigation
- \* Pond management
- \* Responsible leisure
- \* Small family's garden
- \* Game parks and game farms
- \* Greenhouses irrigation



#### Technical Data

No	Model	Pump					Max Head	Max Flow	Outlet	Solar Panels			Protection
		HP	Power	Input Voltage	Rate Voltage	Open Voltage				Meter	M3/H	Inch	
1	LPDL15-15-48-500	0.67	500W	DC 60-90V	DC 48V	DC 100V	15	15	2"x2"	DC 36V	360W	2 PCS	IP44
2	LPDL20-18-72-900	1.2	900W	DC 90-120V	DC 72V	DC 150V	18	20	2"x2"	DC 36V	360W	4 PCS	IP44
3	LPDL25-20-72-1200	1.6	1200W	DC 90-120V	DC 72V	DC 150V	20	25	3"x3"	DC 36V	330W	6 PCS	IP44
4	LPDL25-22-110-1200	1.6	1200W	DC 110-150V	DC 110V	DC 200V	22	25	3"x3"	DC 36V	330W	6 PCS	IP44

#### Performance Flow Chart



#### Spare Parts



#### Benefits

- \* Maintenance Free Brushless DC Motor.
- \* Fast and simple installation: Small size and portable, outer DSP & MPPT controller, easy for carrying and installation.
- \* Control inputs for well probe, dry-running protection.
- \* Battery operation, low voltage disconnect for battery tracking.
- \* Overload and high adjustable speed control of motor.
- \* Temperature protection and against reverse polarity.

#### Features

- \* Engineered and manufactured in China.
- \* Overload protection, over & under-voltage protection, thermal protection setting.
- \* Automatic restart setting.
- \* Outer MPPT controller design.
- \* It's not suction pump.

- Running Speed Control
- Short-Circuit Protection
- MPPT
- Dry Running Protection
- Soft Starting Protection
- Reverse Voltage Protection
- Low-voltage / Over-voltage Protection
- Over Current Protection

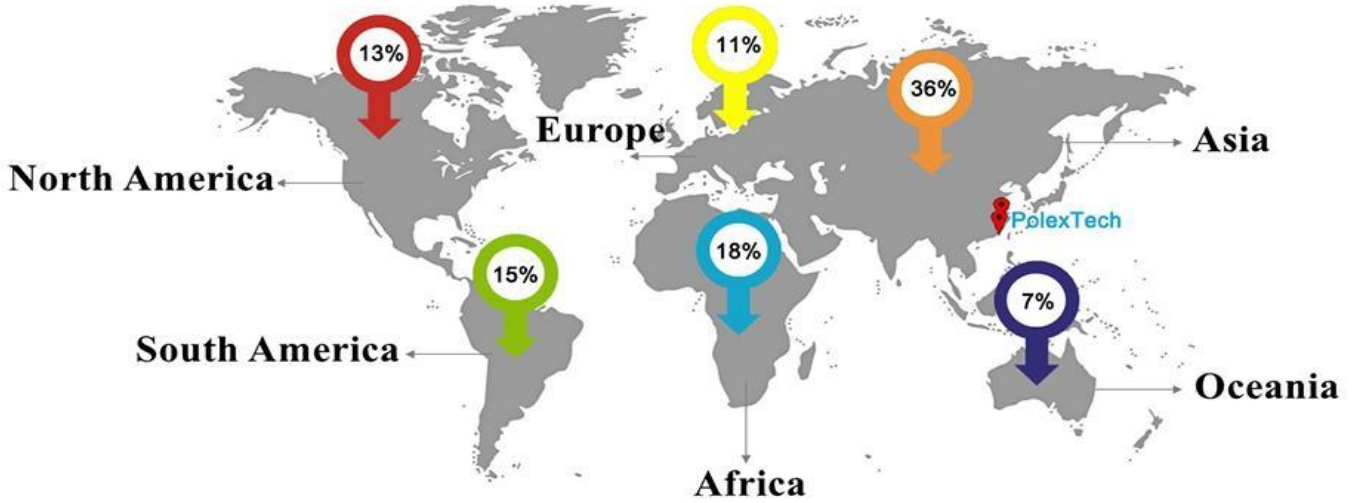




With the term Partner Alliance, we strongly believe good sustainable business requires a partner alliance to ensure that customers receive the right product solutions from experienced companies to specify, install and support PolexTech products.

**We call it PartnerALL.**

## Global Customer Distribution



### Who Can Be PolexTech PartnerALL

Project Tenderer	Agency	Distributor	Trader/Installer	End User

### How to Operate PartnerALL



#### Benefits What we Offer

- \* Never sell directly to end users
- \* Promote partners alongside our products
- \* Provide supporting information, sales and marketing tools and technical support
- \* Provide margins to sustain an interesting and healthy business
- \* Provide credit dollars if you sell pumps in different states and cities
- \* Provide coffee subsidy if you help show pump systems to other customers



#### Requirements What you need to do

- \* Ensure systems are specified and installed correctly
- \* Quality standards for system installation with customer references
- \* A minimum number of systems that are installed per year to ensure familiarity
- \* Commitment to support promotion of PolexTech solutions in a given market
- \* No malicious competition at low prices
- \* Provide feedback of sales and installed projects



#### Process How to get there

- \* If you would like to join the hundreds of partners who are selling and installing PolexTech products around the world
- \* Please complete our become a partner form
- \* One of the channel management team will be in touch to discuss the opportunity further with you



## Contact Us

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