

VEICHI

*Solar Pumping System
Lights Up the Future!*

VEICHI

Suzhou Veichi Electric Co., Ltd

No.1000 Songjia Road, Guoxiang street, Wuzhong Economic
and Technological Development Zone, Suzhou

Tel: +86-512-6617 1988 Fax: +86-512-6617 3610

Facebook: <https://www.facebook.com/veichigroup>

Whatsapp: +86-138 2881 8903

<https://www.veichi.com>

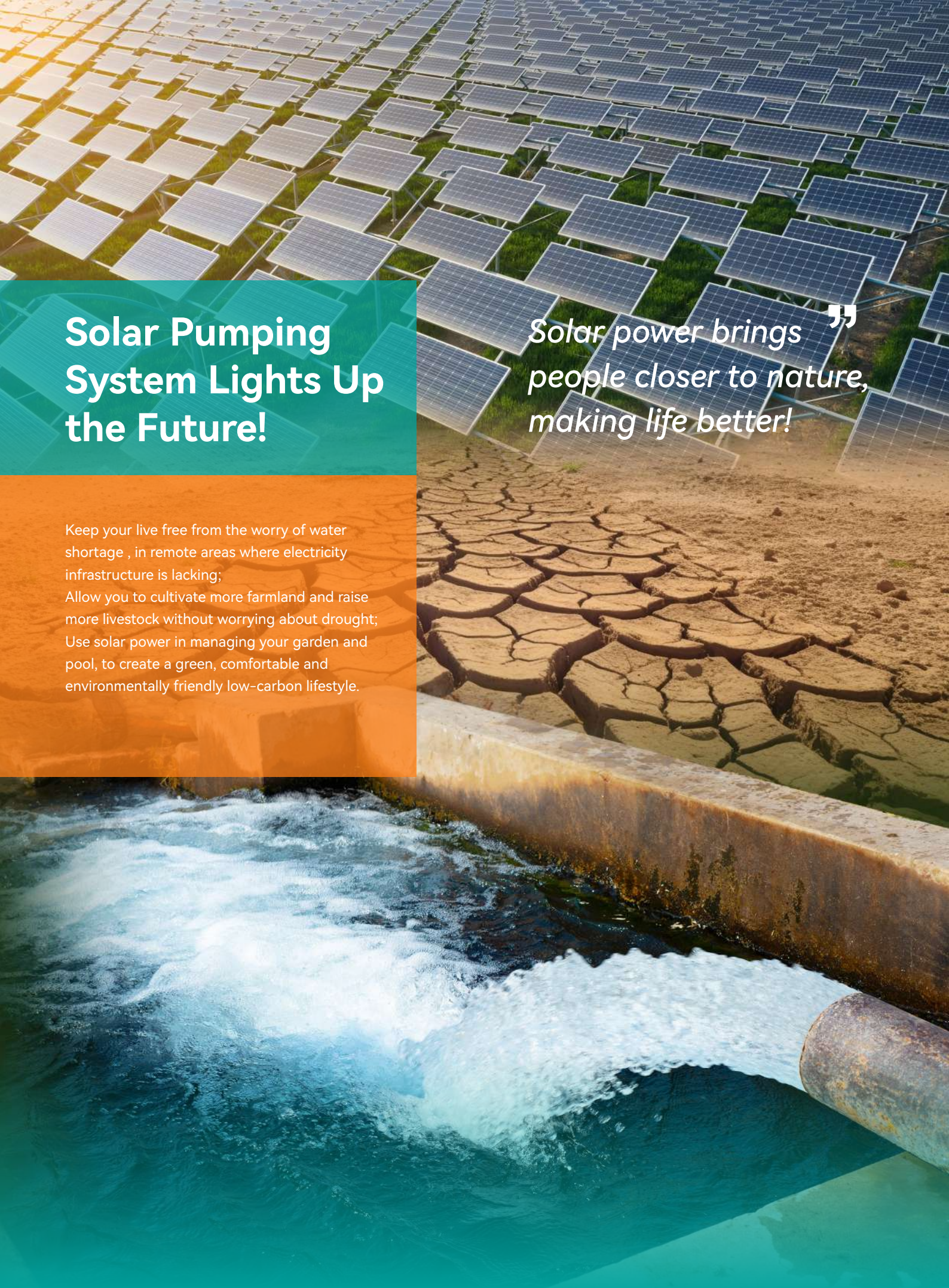


Official Website
• Version: Y5/2-05
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Solar Water Pumping System



<https://www.veichi.com>



Solar Pumping System Lights Up the Future!

*Solar power brings ”
people closer to nature,
making life better!*

Keep your live free from the worry of water shortage , in remote areas where electricity infrastructure is lacking;

Allow you to cultivate more farmland and raise more livestock without worrying about drought;
Use solar power in managing your garden and pool, to create a green, comfortable and environmentally friendly low-carbon lifestyle.

VEICHI Solar Pump Inverter

- Plug & play, easy installation & low installation cost
- High efficiency with MPPT function
- Specially designed for solar pumping system
- Easy operation & Low maintenance cost
- Protection class: IP55

DC Solar Pump Inverter

Multi functions

- MPPT for higher solar power utilization rate.
- Real time working condition on LED screen: output power, output voltage, current, pump speed and error code.
- Auto frequency conversion: auto adjustment the speed/rpm according to solar power strength except for manual adjustment.
- Auto On/Off (with float switch).
- Soft start: impulse current-free to protect pump motor.
- No water hammer to protect the whole plumbing system.
- Multi-protections: protection against dry-run, over-voltage , over-current, high-temperature (reduce rpm when the inner temperature reaches 79°C), and output phase loss.



AC-DC Solar Pump Inverter

Multi functions

- Can be used for both AC and DC power supply
- Protection class: IP55
- Ambient temperature:-15~60°C
- LED Displays working conditions & Fault code
- Auto Start & Stop
- Soft start & VFD function



Working Environment and Electrical Property

Controller Model	Adaptable Pump Rated Voltage	Max.Input Current	Max.Open Circuit Voltage	MPPT Voltage Range	Working Temperature	Inverter Dimension	Net Weight
DC-12	12V	17A	48V	30~48V	-15~+60°C	238x180x95mm	1.5kg
DC-24	24V	17A	55V	30~48V			
DC-36	36V	17A	55V	30~48V			
DC-48	48V	17A	105V	60~90V			
DC-72	72V	17A	160V	90~120V			
DC-110	110V	17A	210V	110~150V			

Solar Inverter Technical Data

Model		AC/DC 110V	AC/DC 150V	AC/DC 200V	AC/DC 300V
Suitable PMSM / BLDC pumps	Pump's Voltage	DC-110V	DC-150V	DC-200V	DC-300V
	Pump's Frequency	According to the manufacturer's design			
	Pump's Phase	1xPhase / 3xPhase			
Suitable AC pumps	Pump's Voltage	100V~130V 220V~240V	220V~240V	220V~240V	220V~240V
	Pump's Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
	Pump's Phase	1xPhase 3xPhase	1xPhase 3xPhase	1xPhase 3xPhase	3xPhase
Input AC power requirements – Grid or generator		(L,N)1xPhase 85~300V/50/60Hz			
Input DC power requirements -PV panel or battery	Max input DC Voltage(voc)	450	450	450	450
	Min DC Working Voltage(V)	80	80	80	80
	MPPT Working Voltage(V)	80-450	80-450	80-450	80-450
Inverter Power		0.75KW	1.3KW	1.5KW	2.2KW
Inverter rated output current		10A	10A	10A	10A
Performace					
Control mode		Motorcontrol technology			
Type of motor		Permanent magnet synchronous motor and asynchronous motor			
Efficiency		99%			
Enclosure class		IP65			
Installation		Wall mounting			
Other Parameters					
Cooling		Fan Cooling			
HMI		LCD screen			
Working environment					
Ambient temperature		(-25℃ ~60℃)			
Working altitude		3000m			
Package info. (L*W*H)		365x275x165mm			
Package Info. (CW)		3.7 kg			

SIVG DC SOLAR SCREW PUMP

Applications

- Agriculture irrigation, livestock feeding, domestic watering
- Clean water supply from wells or reservoirs
- Off-grid solar pumping system

Pump Features

- MPPT DC controller
- Highly-precise AISI304 screw with higher efficiency
- AISI304 oil chamber and pump barrel
- NSK bearing
- Efficient PMSM brushless motor (PMSM: Permanent Magnet Synchronous Motor)

MPPT DC Controller

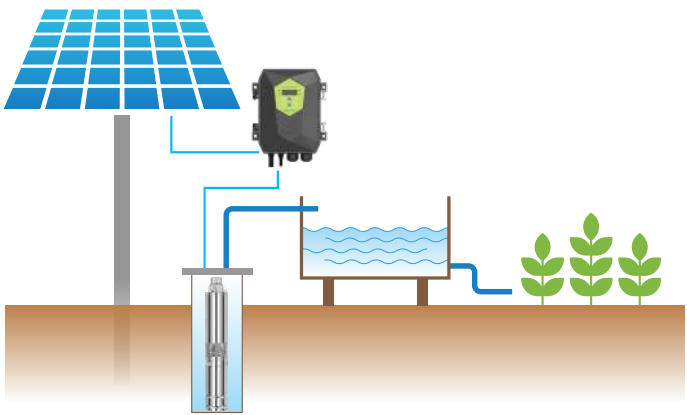
- Protection class: IP55
- Ambient temperature: -15~60°C
- Working conditions & fault code on LED screen
- Auto Start & Stop
- Soft start & frequency conversion



Identification Codes

SIVG 0.5 - 28 - 12 - 80

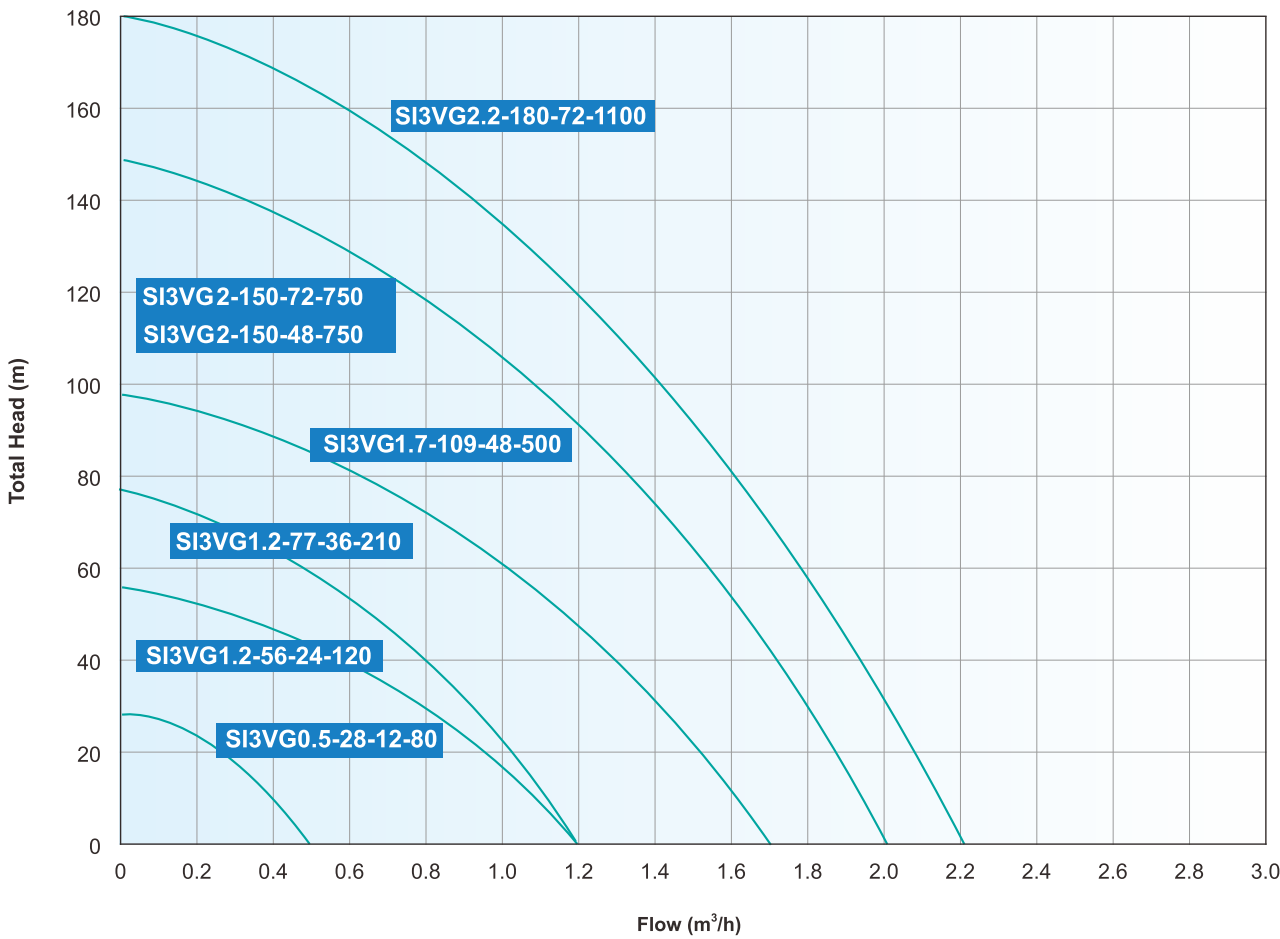
Rated Power (W)
Motor Voltage
Max. Head (m)
Max. Flow (m³/h)
3 Inch DC Screw Pump



Free Spare Parts

Please refer to page 53 of this manual

3" DC Solar Screw Pump



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI3VG0.5-28-12-80	80	12	20-36	0.5	28	3/4"	2	< 50	≥1.3*Pump Power
SI3VG1.2-56-24-120	120	24	30-48	1.2	56	3/4"	2	< 55	≥1.3*Pump Power
SI3VG1.2-77-36-210	210	36	30-48	1.2	77	3/4"	2	< 55	≥1.3*Pump Power
SI3VG1.7-109-48-500	500	48	60-90	1.7	109	3/4"	2	< 105	≥1.3*Pump Power
SI3VG2-150-48-750	750	48	60-90	2	150	3/4"	2	< 105	≥1.3*Pump Power
SI3VG2-150-72-750	750	72	90-120	2	150	3/4"	2	< 160	≥1.3*Pump Power
SI3VG2.2-180-72-1100	1100	72	90-120	2.2	180	3/4"	2	< 160	≥1.3*Pump Power

SIVP DC SOLAR PUMP WITH PLASTIC IMPELLER

Applications

- Agriculture irrigation, livestock feeding, domestic watering
- Clean water supply from wells or reservoirs
- Off-grid solar pumping system

Pump Features

- MPPT DC controller
- Highly-precise AISI304 screw with higher efficiency
- AISI304 oil chamber and pump barrel
- NSK bearing
- Efficient PMSM brushless motor
(PMSM: Permanent Magnet Synchronous Motor)

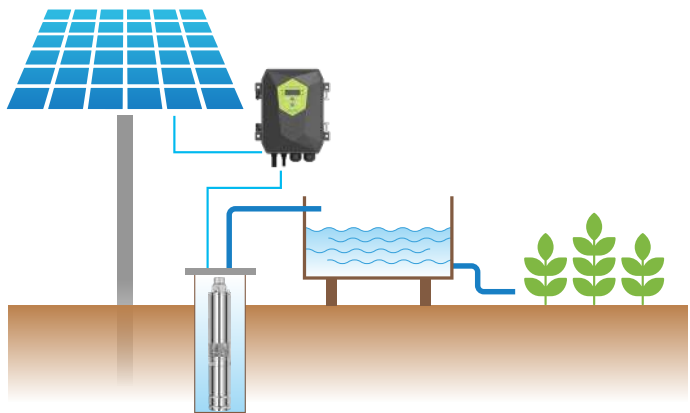
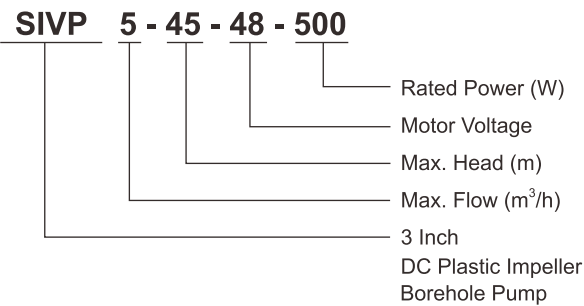
MPPT DC Controller

- Protection class: IP55
- Ambient temperature: -15~60°C
- Working conditions & fault code on LED screen
- Auto Start & Stop
- Soft start & frequency conversion



Two design for selection

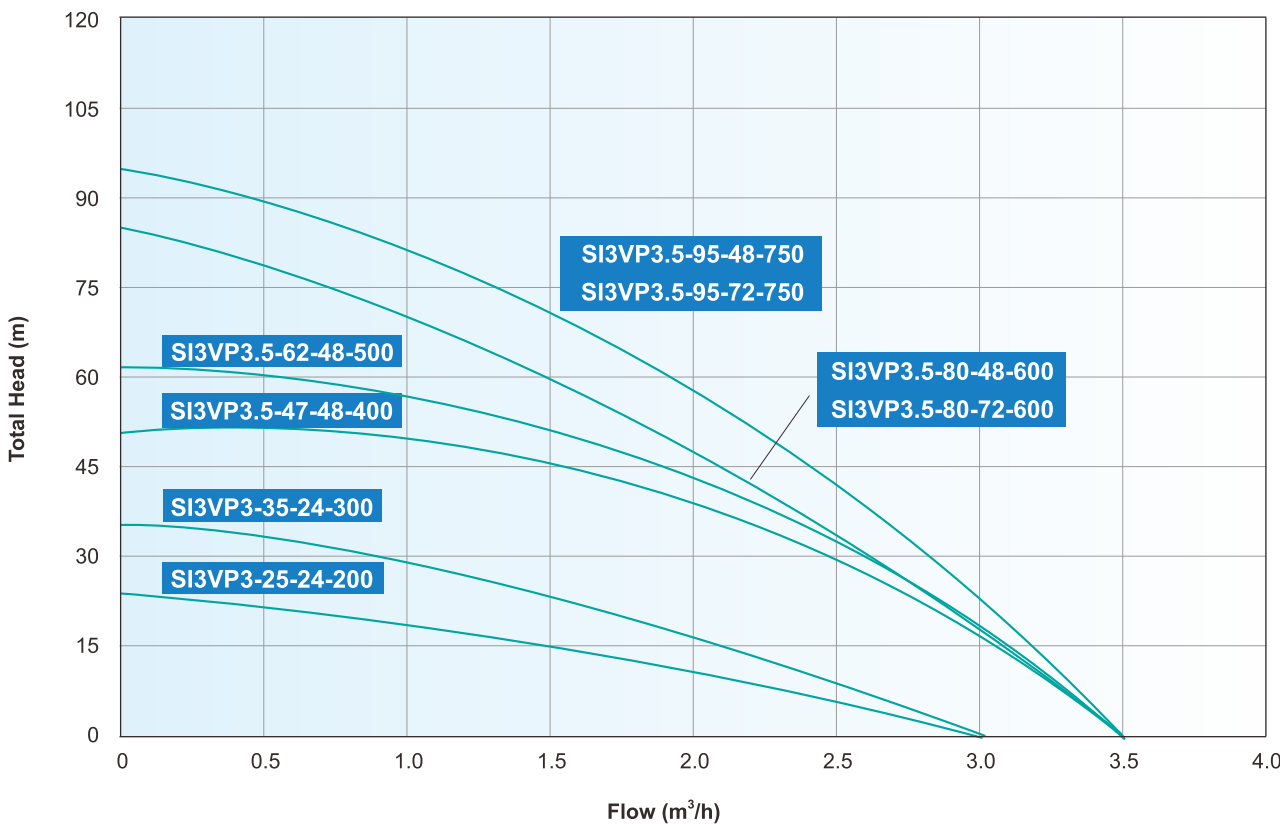
Identification Codes



Free Spare Parts

Please refer to page 54 of this manual

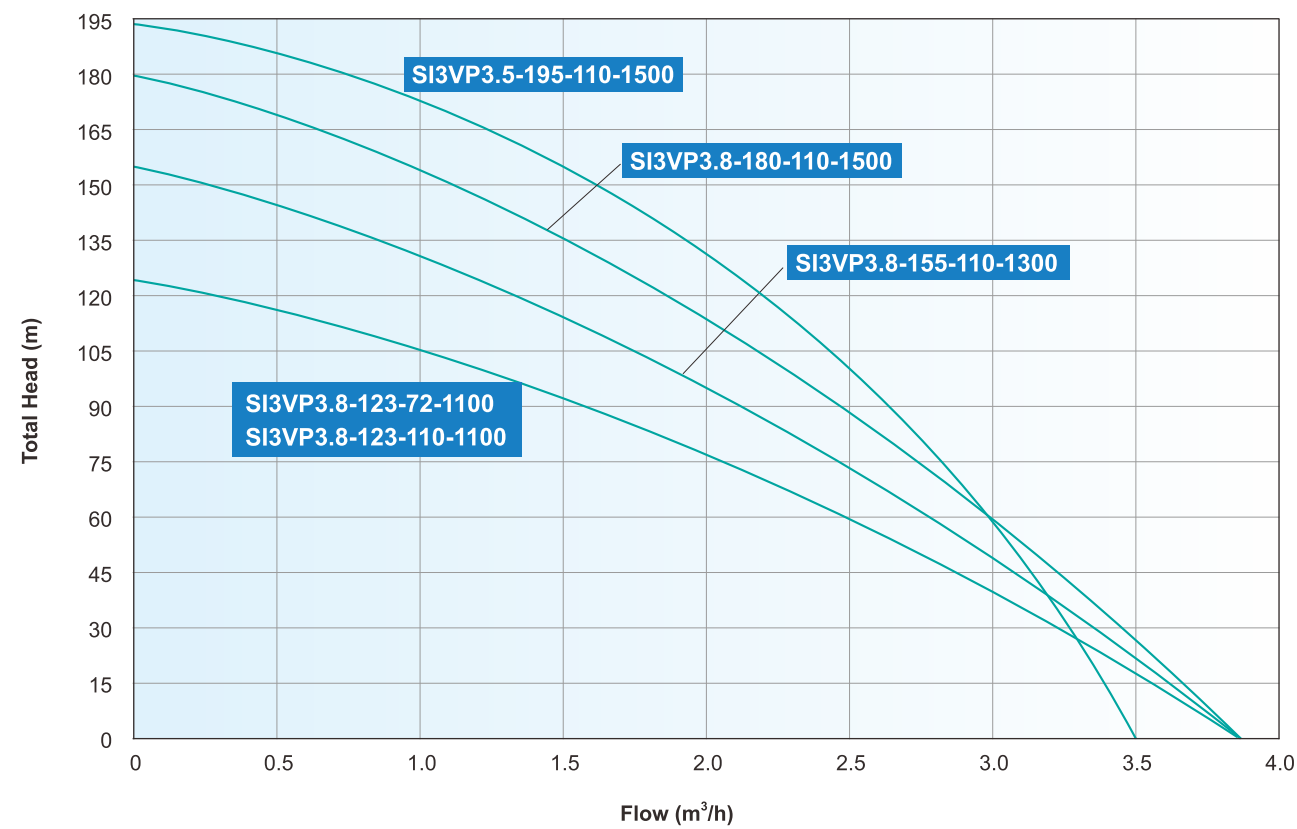
3" DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI3VP3-25-24-200	200	24	30-48	3	25	1¼"	2	< 55	≥1.3*Pump Power
SI3VP3-35-24-300	300	24	30-48	3	35	1¼"	2	< 55	≥1.3*Pump Power
SI3VP3.5-47-48-400	400	48	60-90	3.5	47	1¼"	2	< 105	≥1.3*Pump Power
SI3VP3.5-62-48-500	500	48	60-90	3.5	62	1¼"	2	< 105	≥1.3*Pump Power
SI3VP3.5-80-48-600	600	48	60-90	3.5	80	1¼"	2	< 105	≥1.3*Pump Power
SI3VP3.5-80-72-600	600	72	90-120	3.5	80	1¼"	2	< 160	≥1.3*Pump Power
SI3VP3.5-95-48-750	750	48	60-90	3.5	95	1¼"	2	< 105	≥1.3*Pump Power
SI3VP3.5-95-72-750	750	72	90-120	3.5	95	1¼"	2	< 160	≥1.3*Pump Power

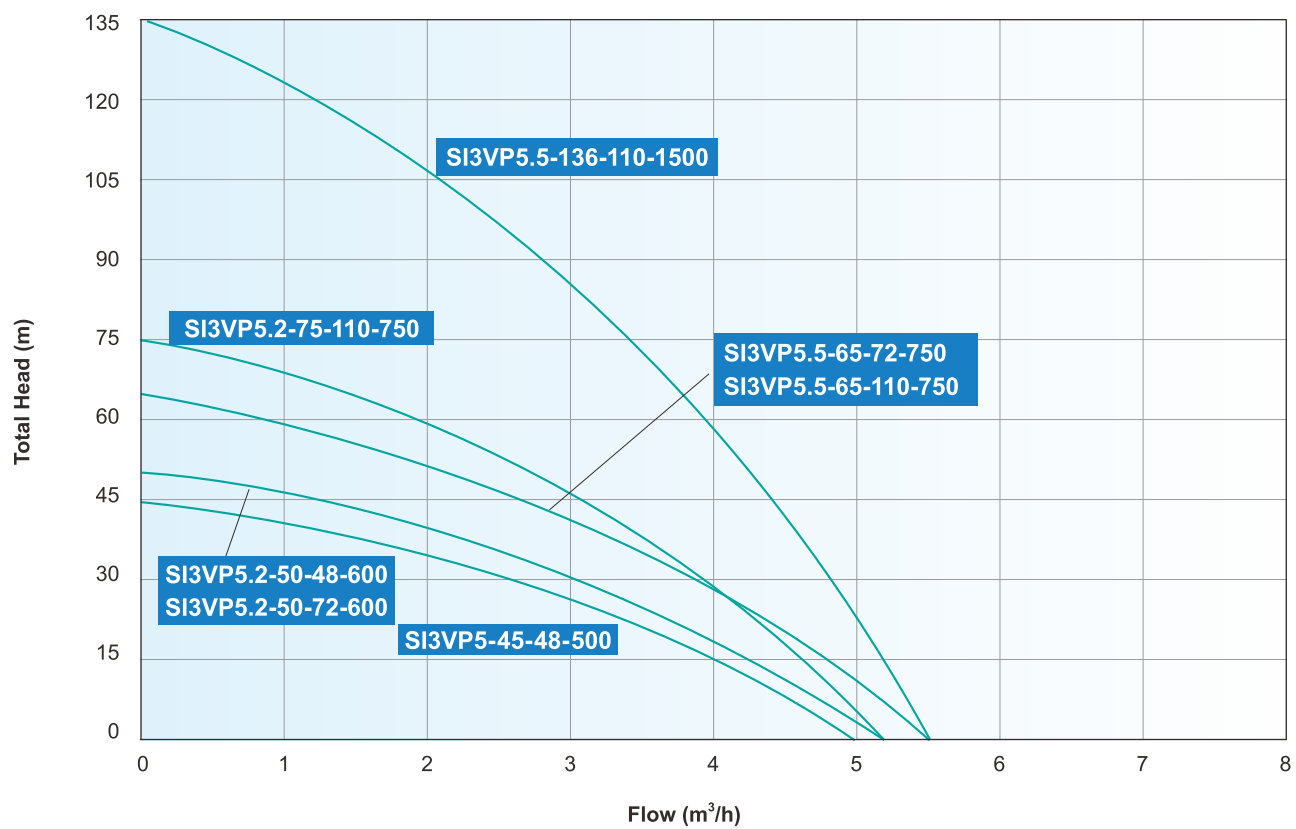
3" DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI3VP3.8-123-72-1100	1100	72	90-120	3.8	123	1¼"	2	< 160	≥1.3*Pump Power
SI3VP3.8-123-110-1100	1100	110	110-150	3.8	123	1¼"	2	< 210	≥1.3*Pump Power
SI3VP3.8-155-110-1300	1300	110	110-150	3.8	155	1¼"	2	< 210	≥1.3*Pump Power
SI3VP3.8-180-110-1500	1500	110	110-150	3.8	180	1¼"	2	< 210	≥1.3*Pump Power
SI3VP3.5-195-110-1500	1500	110	110-150	3.5	195	1¼"	2	< 210	≥1.3*Pump Power

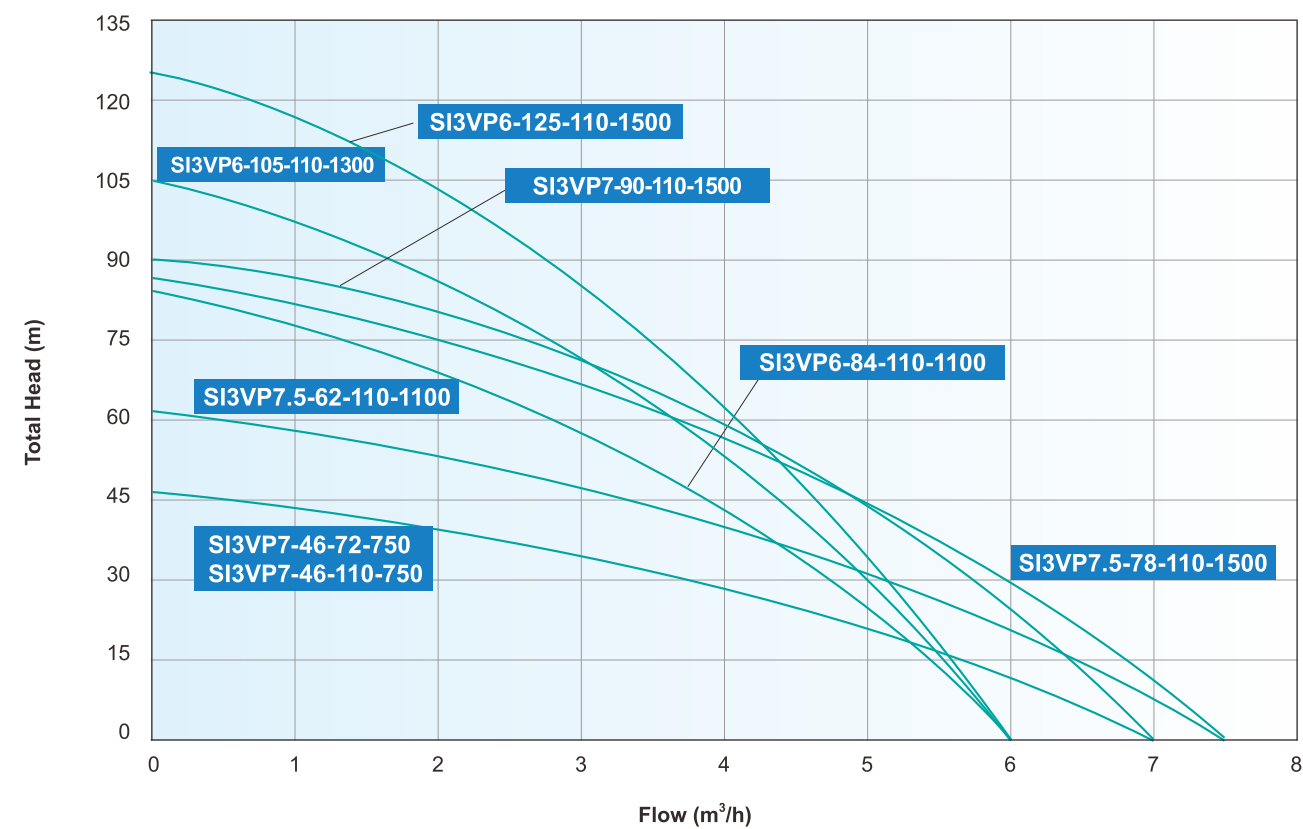
3" DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI3VP5-45-48-500	500	48	60-90	5	45	1½"	2	< 105	≥1.3*Pump Power
SI3VP5.2-50-48-600	600	48	60-90	5.2	50	1½"	2	< 105	≥1.3*Pump Power
SI3VP5.2-50-72-600	600	72	90-120	5.2	50	1½"	2	< 160	≥1.3*Pump Power
SI3VP5.2-75-110-750	750	110	110-150	5.2	75	1½"	2	< 210	≥1.3*Pump Power
SI3VP5.5-65-72-750	750	72	90-120	5.5	65	1½"	2	< 160	≥1.3*Pump Power
SI3VP5.5-65-110-750	750	110	110-150	5.5	65	1½"	2	< 210	≥1.3*Pump Power
SI3VP5.5-136-110-1500	1500	110	110-150	5.5	136	1½"	2	< 210	≥1.3*Pump Power

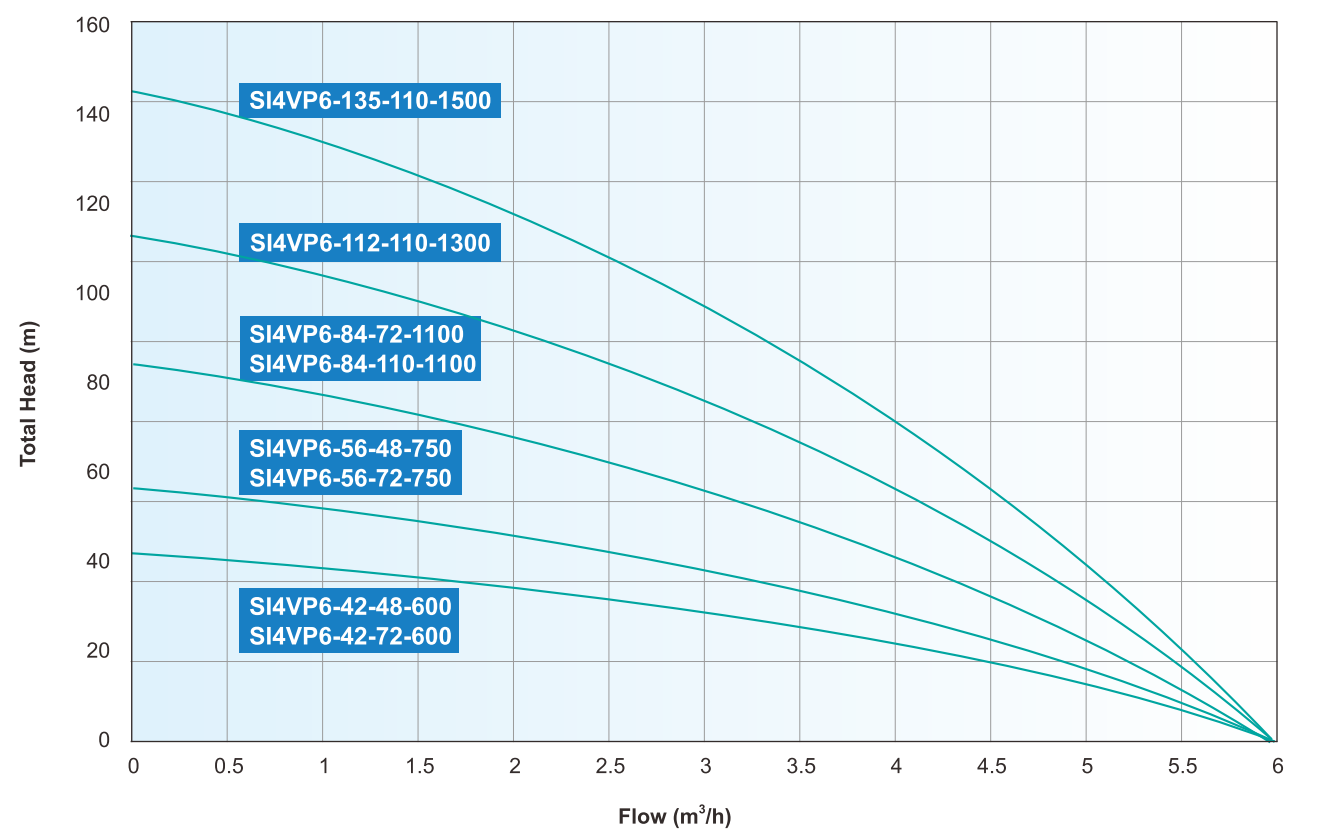
3" DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI3VP6-84-110-1100	1100	110	110-150	6	84	1½"	2	< 210	≥1.3*Pump Power
SI3VP6-105-110-1300	1300	110	110-150	6	105	1½"	2	< 210	≥1.3*Pump Power
SI3VP6-125-110-1500	1500	110	110-150	6	125	1½"	2	< 210	≥1.3*Pump Power
SI3VP7-46-72-750	750	72	90-120	7	46	1½"	2	< 160	≥1.3*Pump Power
SI3VP7-46-110-750	750	110	110-150	7	46	1½"	2	< 210	≥1.3*Pump Power
SI3VP7.5-62-110-1100	1100	110	110-150	7.5	62	1½"	2	< 210	≥1.3*Pump Power
SI3VP7.5-78-110-1500	1500	110	110-150	7.5	78	1½"	2	< 210	≥1.3*Pump Power
SI3VP7-90-110-1500	1500	110	110-150	7	90	1½"	2	< 210	≥1.3*Pump Power

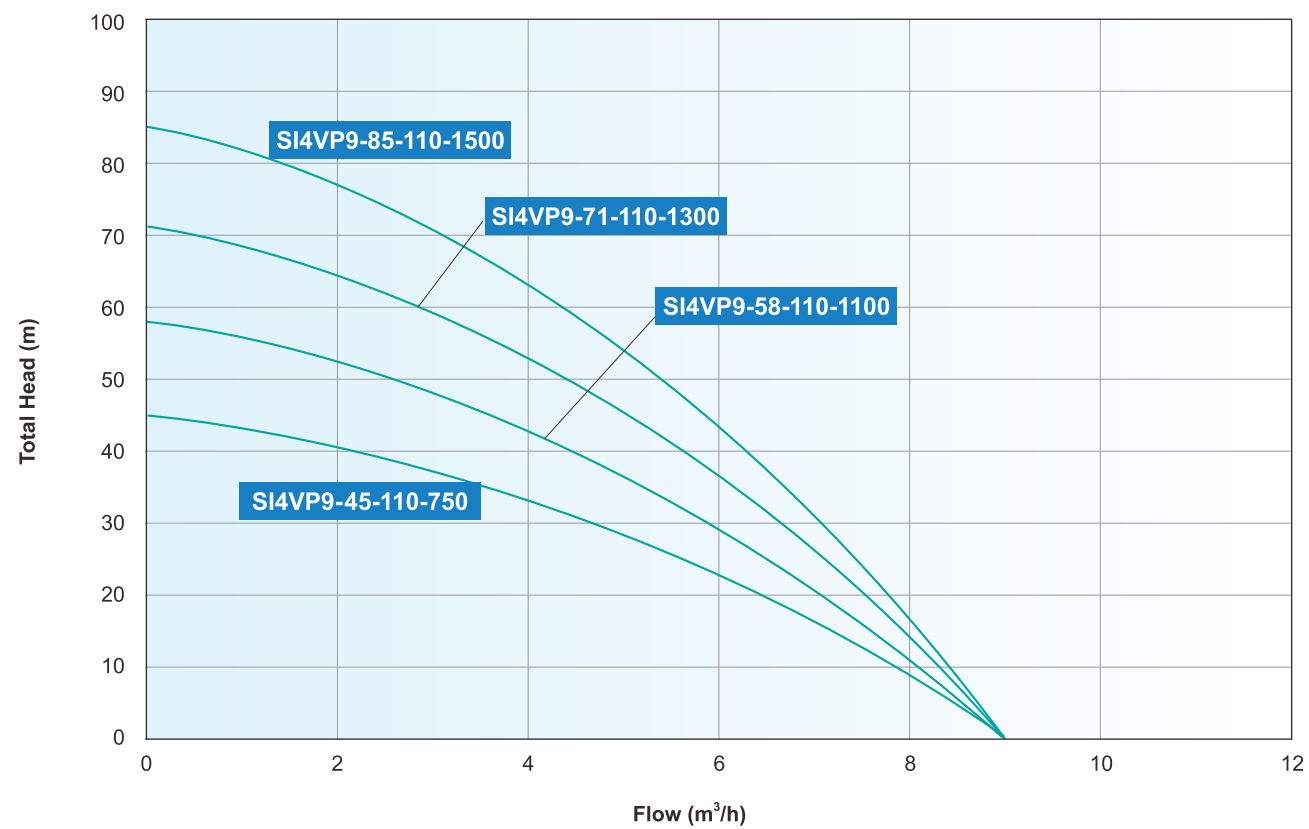
4" DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VP6-42-48-600	600	48	60-90	6	42	1¼"	2	< 105	≥1.3*Pump Power
SI4VP6-42-72-600	600	72	90-120	6	42	1¼"	2	< 160	≥1.3*Pump Power
SI4VP6-56-48-750	750	48	60-90	6	56	1¼"	2	< 105	≥1.3*Pump Power
SI4VP6-56-72-750	750	72	90-120	6	56	1¼"	2	< 160	≥1.3*Pump Power
SI4VP6-84-72-1100	1100	72	90-120	6	84	1¼"	2	< 160	≥1.3*Pump Power
SI4VP6-84-110-1100	1100	110	110-150	6	84	1¼"	2	< 210	≥1.3*Pump Power
SI4VP6-112-110-1300	1300	110	110-150	6	112	1¼"	2	< 210	≥1.3*Pump Power
SI4VP6-135-110-1500	1500	110	110-150	6	135	1¼"	2	< 210	≥1.3*Pump Power

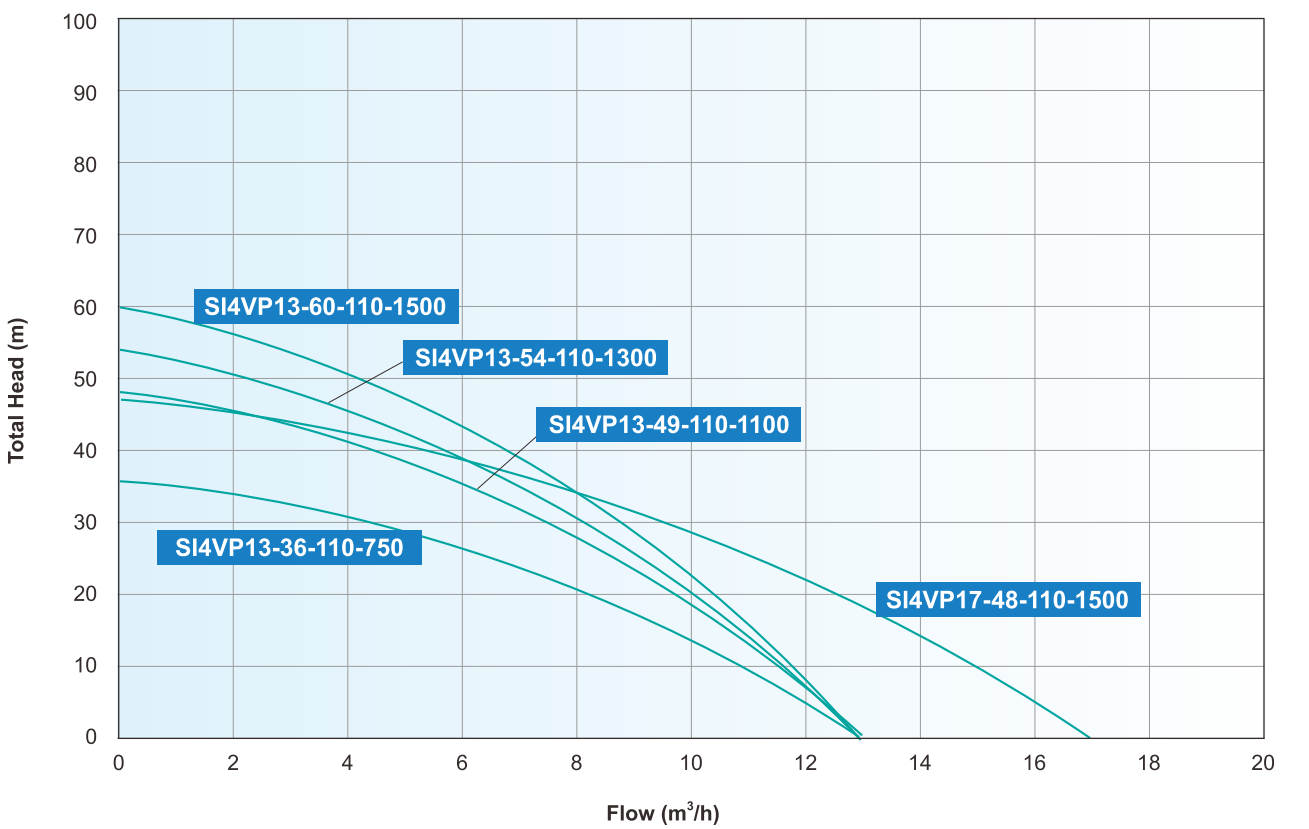
4" DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VP9-45-110-750	750	110	110-150	9	45	2"	2	< 210	≥1.3*Pump Power
SI4VP9-58-110-1100	1100	110	110-150	9	58	2"	2	< 210	≥1.3*Pump Power
SI4VP9-71-110-1300	1300	110	110-150	9	71	2"	2	< 210	≥1.3*Pump Power
SI4VP9-85-110-1500	1500	110	110-150	9	85	2"	2	< 210	≥1.3*Pump Power

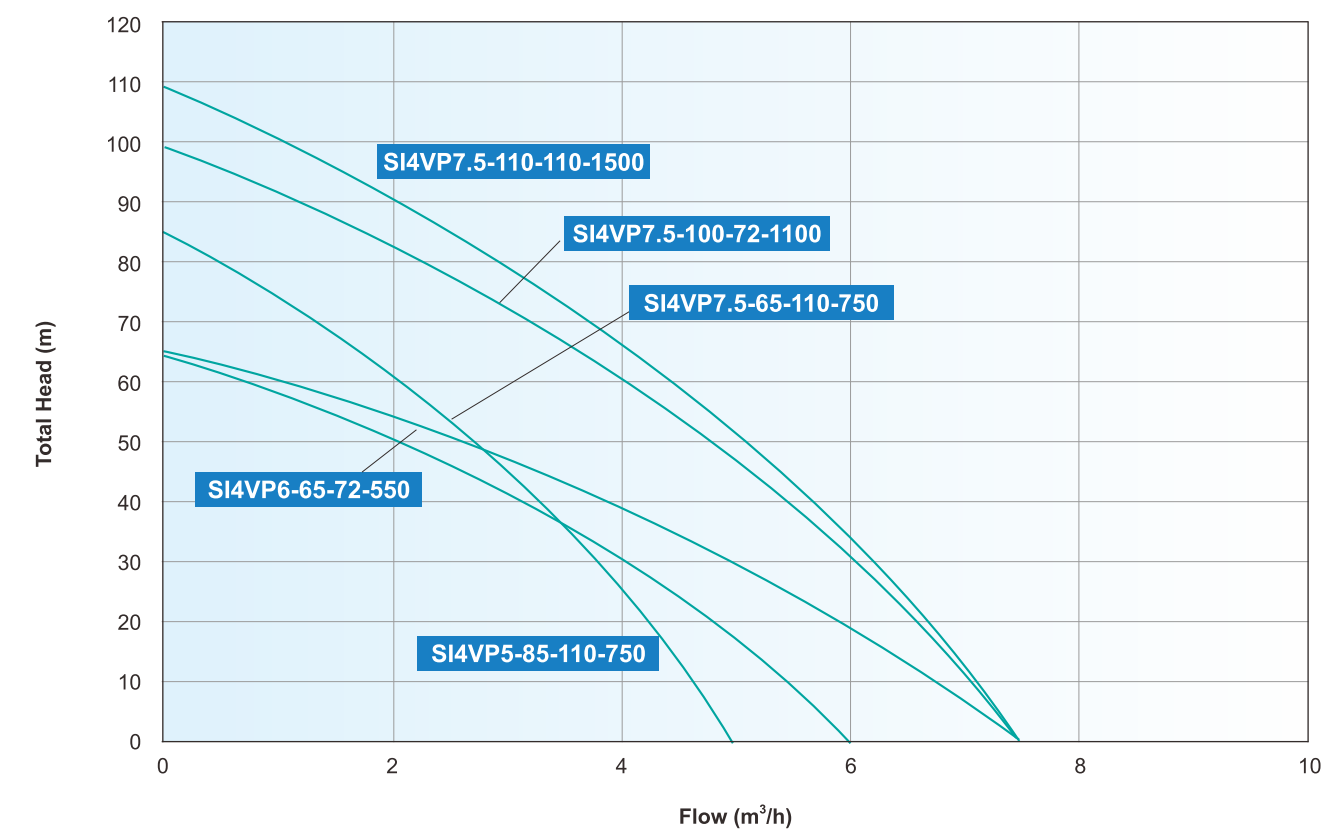
4" DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VP13-36-110-750	750	110	110-150	13	36	2"	2	< 210	≥1.3*Pump Power
SI4VP13-49-110-1100	1100	110	110-150	13	49	2"	2	< 210	≥1.3*Pump Power
SI4VP13-54-110-1300	1300	110	110-150	13	54	2"	2	< 210	≥1.3*Pump Power
SI4VP13-60-110-1500	1500	110	110-150	13	60	2"	2	< 210	≥1.3*Pump Power
SI4VP17-48-110-1500	1500	110	110-150	17	48	2"	2	< 210	≥1.3*Pump Power

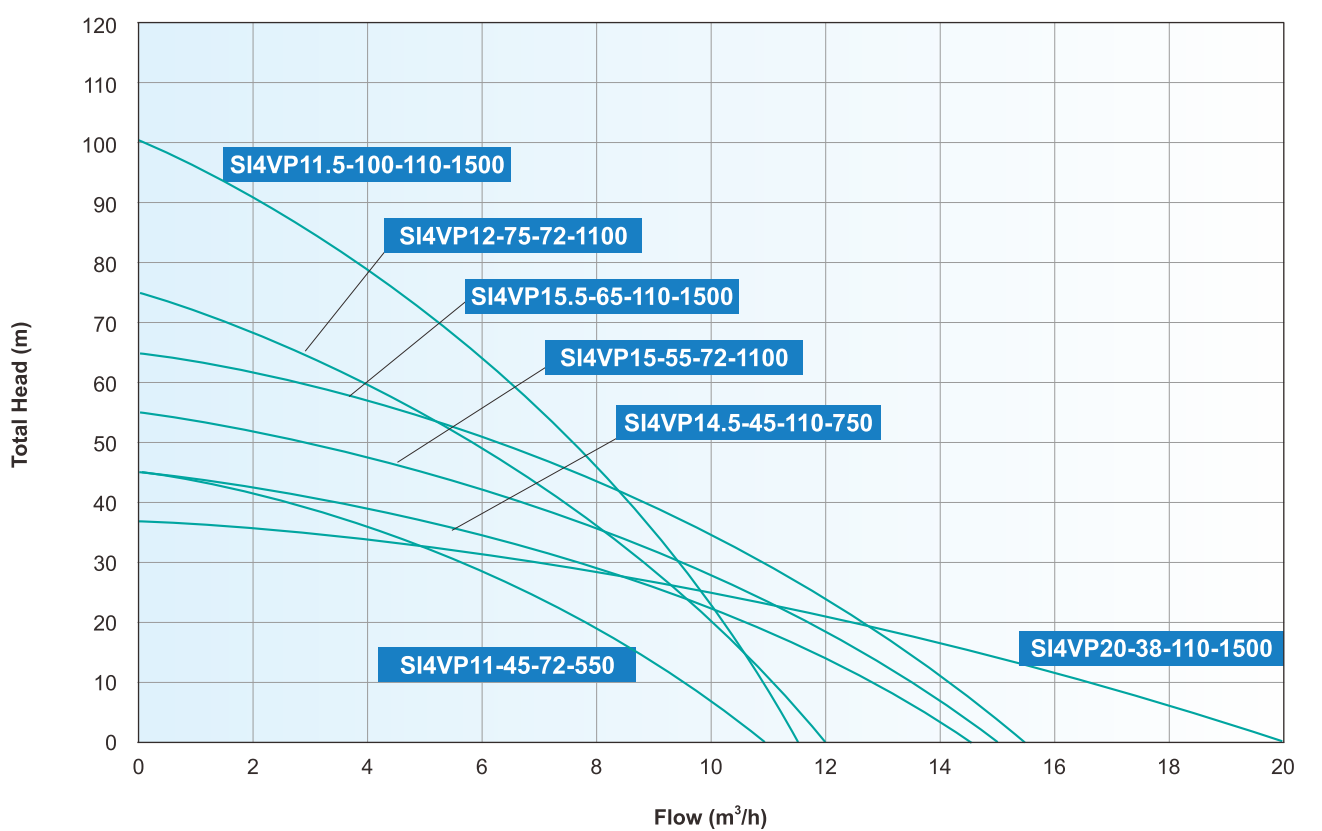
4" DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VP5-85-110-750	750	110	110-150	5	85	2"	2	< 210	≥1.3*Pump Power
SI4VP6-65-72-550	550	72	90-120	6	65	2"	2	< 160	≥1.3*Pump Power
SI4VP7.5-65-110-750	750	110	110-150	7.5	65	2"	2	< 210	≥1.3*Pump Power
SI4VP7.5-100-72-1100	1100	72	90-120	7.5	100	2"	2	< 160	≥1.3*Pump Power
SI4VP7.5-110-110-1500	1500	110	110-150	7.5	110	2"	2	< 210	≥1.3*Pump Power

4" DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VP11-45-72-550	550	72	90-120	11	45	2"	2	< 160	≥1.3*Pump Power
SI4VP12-75-72-1100	1100	72	90-120	12	75	2"	2	< 160	≥1.3*Pump Power
SI4VP11.5-100-110-1500	1500	110	110-150	11.5	100	2"	2	< 210	≥1.3*Pump Power
SI4VP14.5-45-110-750	750	110	110-150	14.5	45	2"	2	< 210	≥1.3*Pump Power
SI4VP15-55-72-1100	1100	72	90-120	15	55	2"	2	< 160	≥1.3*Pump Power
SI4VP15.5-65-110-1500	1500	110	110-150	15.5	65	2"	2	< 210	≥1.3*Pump Power
SI4VP20-38-110-1500	1500	110	110-150	20	38	2"	2	< 210	≥1.3*Pump Power

SIVP AC/DC SOLAR PUMP WITH PLASTIC IMPELLER

Applications

- Agriculture irrigation, livestock feeding, Domestic water lifting
- Clear water supply from wells or reservoirs
- Off grid solar pumping system

Pump Features

- With MPPT AC/DC Controller
- Plastic Impeller and diffuser
- AISI304 oil chamber & outlet
- NSK Bearing
- High efficiency PMSM brushless motor
(PMSM: Permanent Magnet Synchronous Motor)

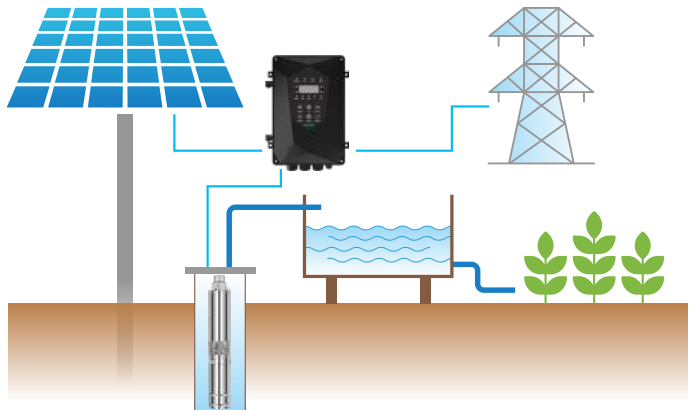
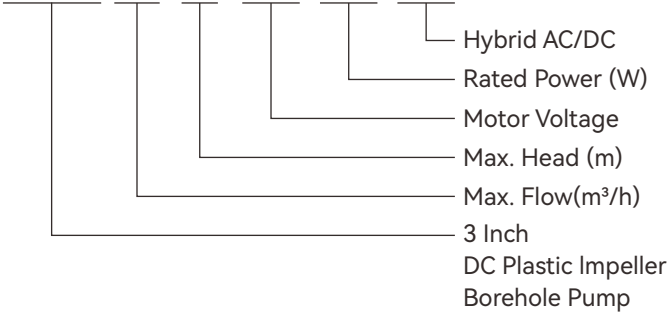
MPPT AC/DC Controller

- Can be used for both AC and DC power supply
- Protection class: IP55
- Ambient temperature:-15~60°C
- LED Displays working conditions & Fault code
- Auto Start & Stop
- Soft start & VFD function



Identification Codes

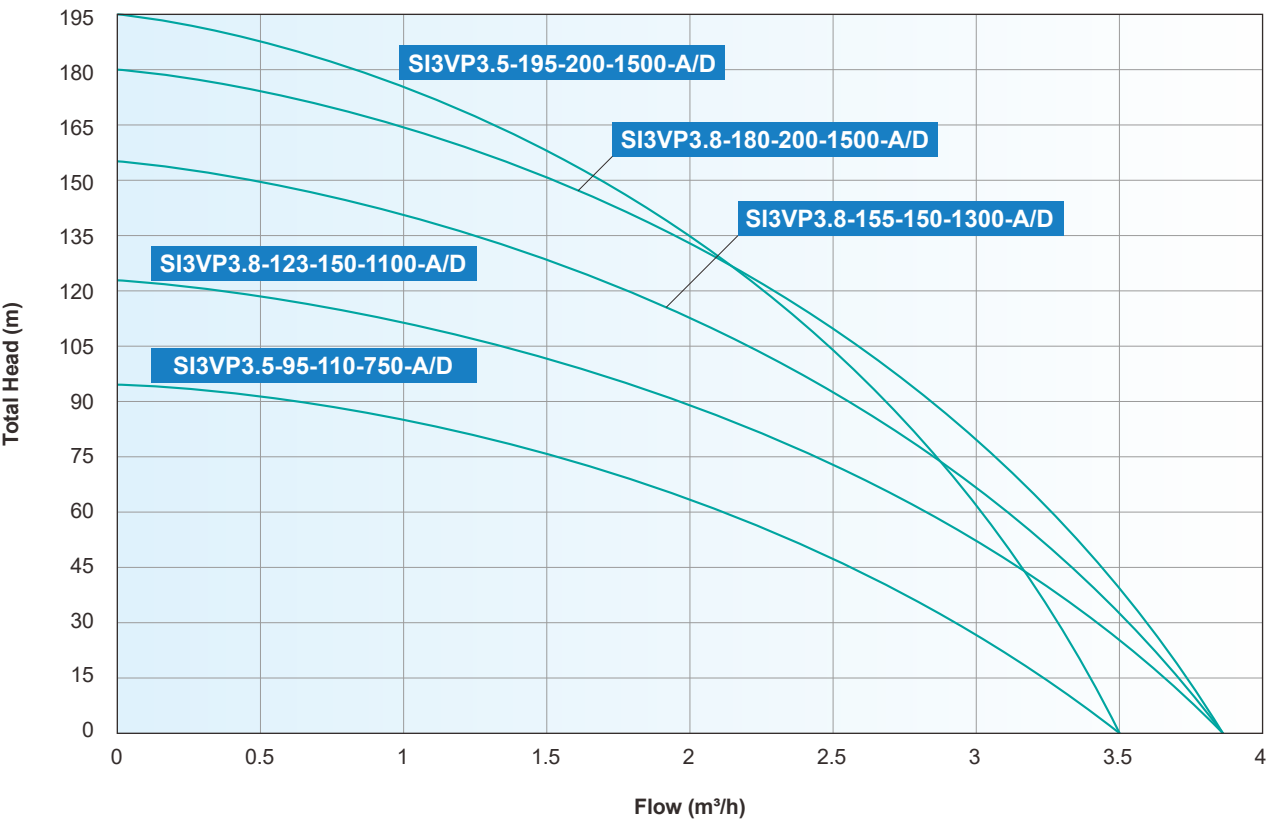
SI3VP 3.5-95-110-750-A/D



Free Spare Parts

Please refer to page 55 of this manual

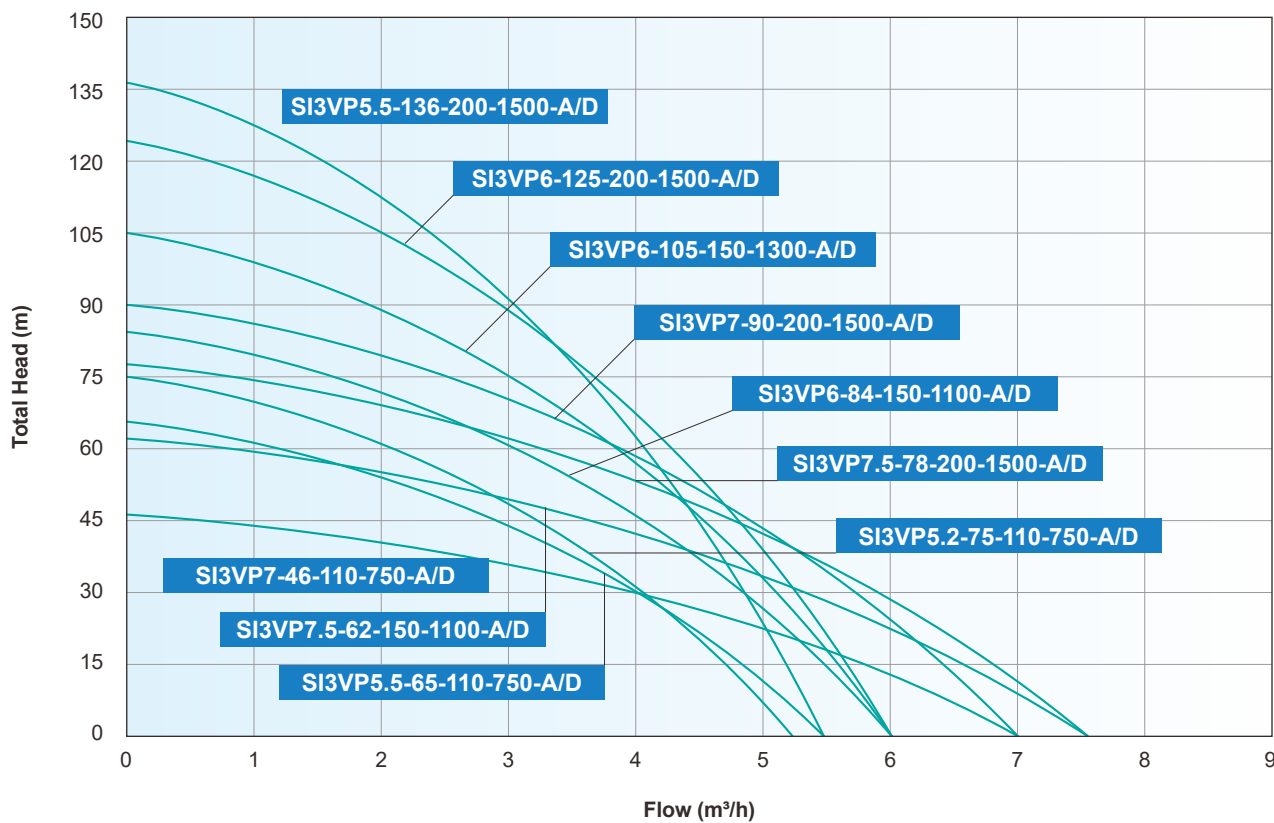
3" Hybrid AC/DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI3VP3.5-95-110-750-A/D	750	80-280	90-430	3.5	95	1 ¼"	2	<430	≥1.3*Pump Power
SI3VP3.8-123-150-1100-A/D	1100	80-280	90-430	3.8	123	1 ¼"	2	<430	≥1.3*Pump Power
SI3VP3.8-155-150-1300-A/D	1300	80-280	90-430	3.8	155	1 ¼"	2	<430	≥1.3*Pump Power
SI3VP3.8-180-200-1500-A/D	1500	80-280	90-430	3.8	180	1 ¼"	2	<430	≥1.3*Pump Power
SI3VP3.5-195-200-1500-A/D	1500	80-280	90-430	3.5	195	1 ¼"	2	<430	≥1.3*Pump Power

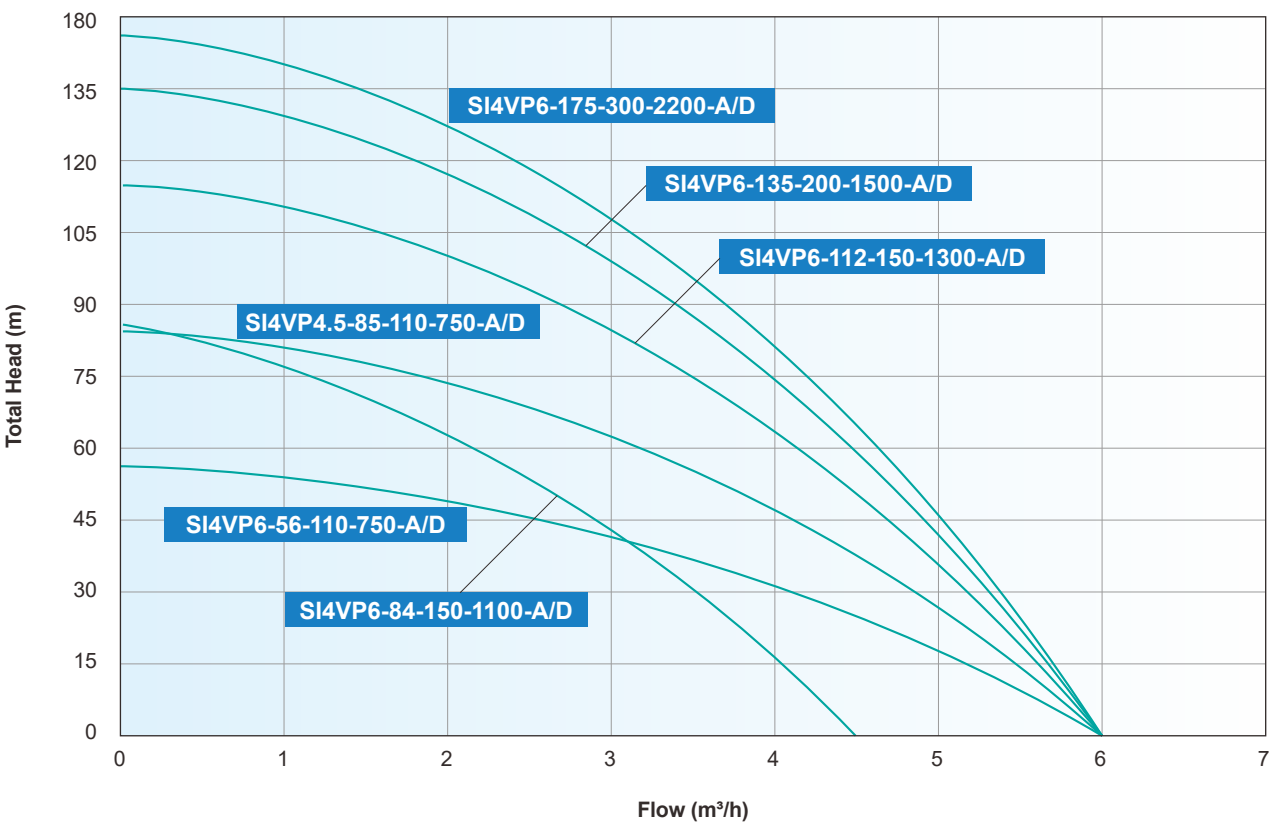
3" Hybrid AC/DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI3VP5.2-75-110-750-A/D	750	80-280	90-430	5.2	75	1½"	2	<430	≥1.3*Pump Power
SI3VP5.5-65-110-750-A/D	750	80-280	90-430	5.5	65	1½"	2	<430	≥1.3*Pump Power
SI3VP6-84-150-1100-A/D	1100	80-280	90-430	6	84	1½"	2	<430	≥1.3*Pump Power
SI3VP6-105-150-1300-A/D	1300	80-280	90-430	6	105	1½"	2	<430	≥1.3*Pump Power
SI3VP6-125-200-1500-A/D	1500	80-280	90-430	6	125	1½"	2	<430	≥1.3*Pump Power
SI3VP5.5-136-200-1500-A/D	1500	80-280	90-430	5.5	136	1½"	2	<430	≥1.3*Pump Power
SI3VP7-46-110-750-A/D	750	80-280	90-430	7	46	1½"	2	<430	≥1.3*Pump Power
SI3VP7.5-62-150-1100-A/D	1100	80-280	90-430	7.5	62	1½"	2	<430	≥1.3*Pump Power
SI3VP7.5-78-200-1500-A/D	1500	80-280	90-430	7.5	78	1½"	2	<430	≥1.3*Pump Power
SI3VP7-90-200-1500-A/D	1500	80-280	90-430	7	90	1½"	2	<430	≥1.3*Pump Power

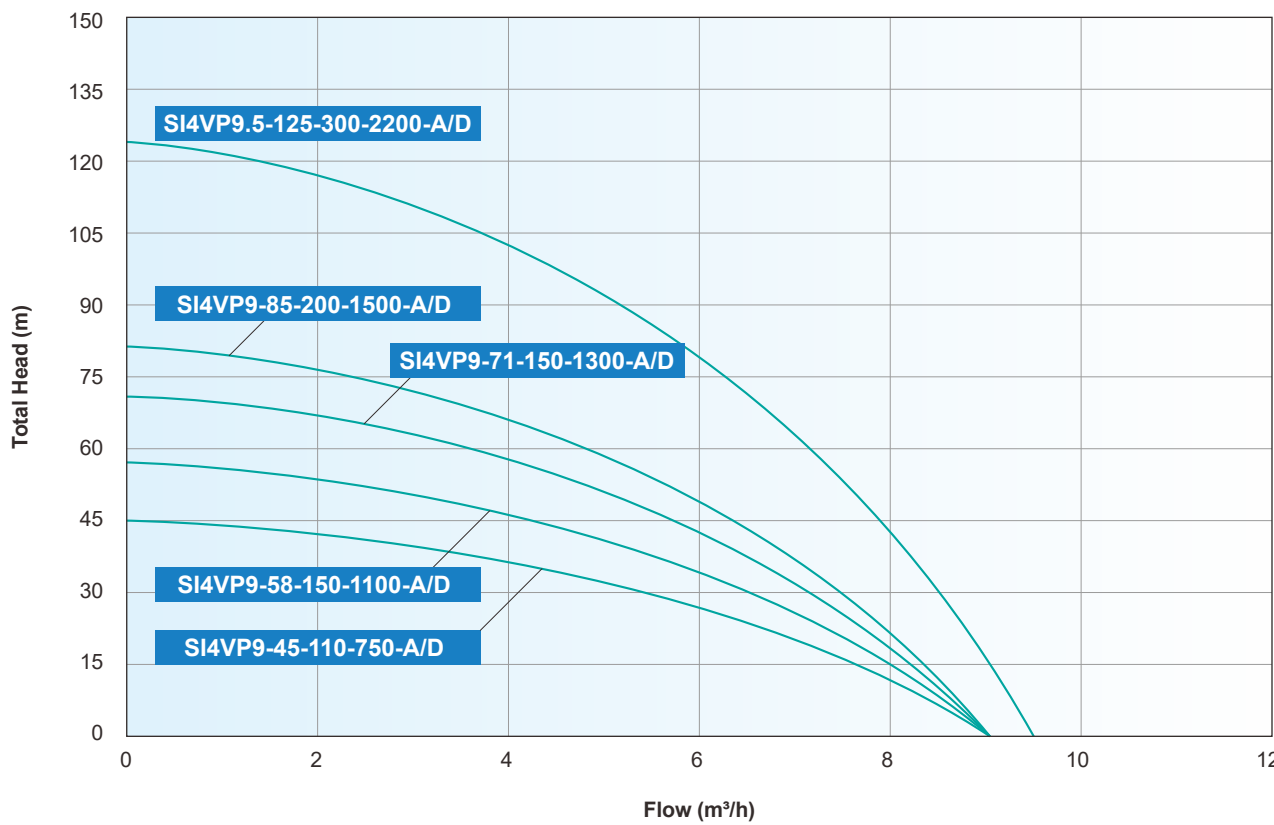
4" Hybrid AC/DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VP4.5-85-110-750-A/D	750	80-280	90-430	4.5	85	1¼"	2	<430	≥1.3*Pump Power
SI4VP6-56-110-750-A/D	750	80-280	90-430	6	56	1¼"	2	<430	≥1.3*Pump Power
SI4VP6-84-150-1100-A/D	1100	80-280	90-430	6	84	1¼"	2	<430	≥1.3*Pump Power
SI4VP6-112-150-1300-A/D	1300	80-280	90-430	6	112	1¼"	2	<430	≥1.3*Pump Power
SI4VP6-135-200-1500-A/D	1500	80-280	90-430	6	135	1¼"	2	<430	≥1.3*Pump Power
SI4VP6-175-300-2200-A/D	2200	80-280	90-430	6	175	1¼"	2	<430	≥1.3*Pump Power

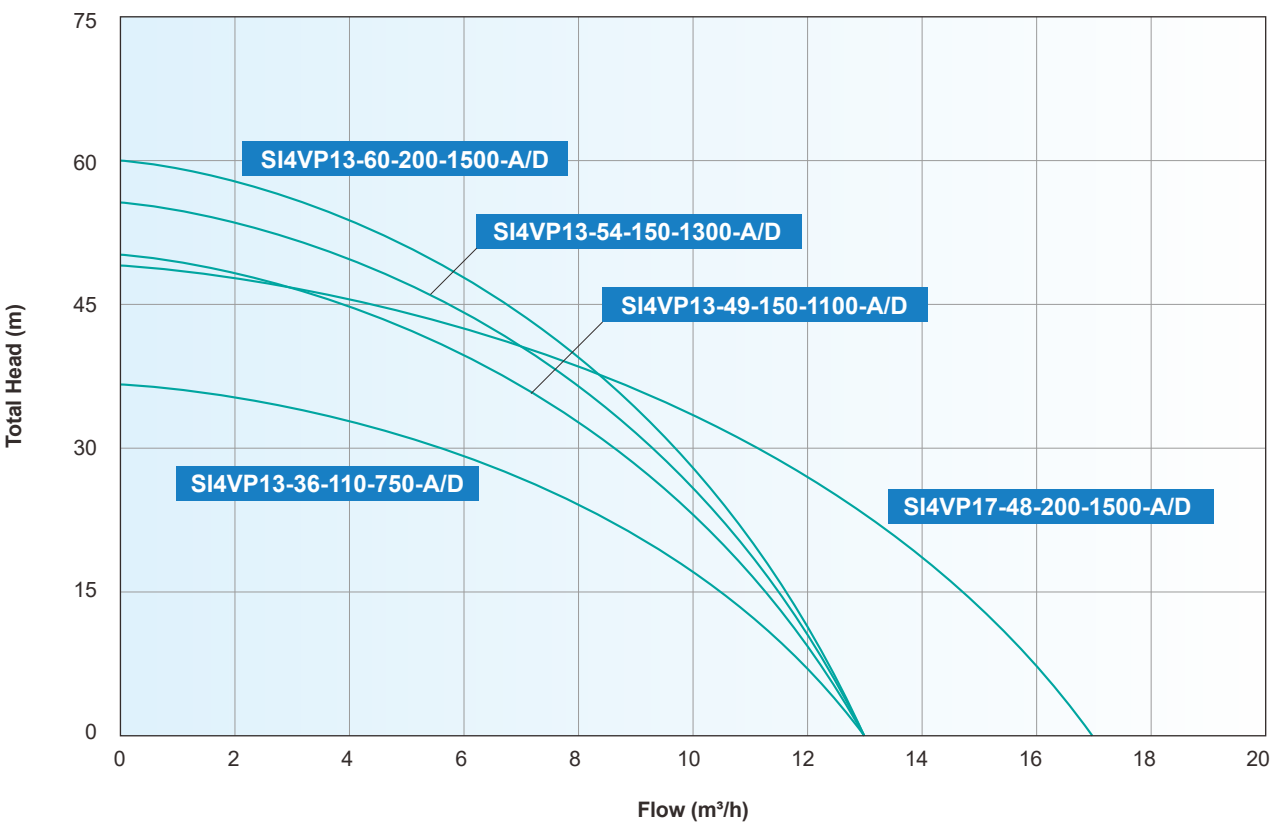
4" Hybrid AC/DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VP9-45-110-750-A/D	750	80-280	90-430	9	45	2"	2	<430	≥1.3*Pump Power
SI4VP9-58-150-1100-A/D	1100	80-280	90-430	9	58	2"	2	<430	≥1.3*Pump Power
SI4VP9-71-150-1300-A/D	1300	80-280	90-430	9	71	2"	2	<430	≥1.3*Pump Power
SI4VP9-85-200-1500-A/D	1500	80-280	90-430	9	85	2"	2	<430	≥1.3*Pump Power
SI4VP9.5-125-300-2200-A/D	2200	80-280	90-430	9.5	125	2"	2	<430	≥1.3*Pump Power

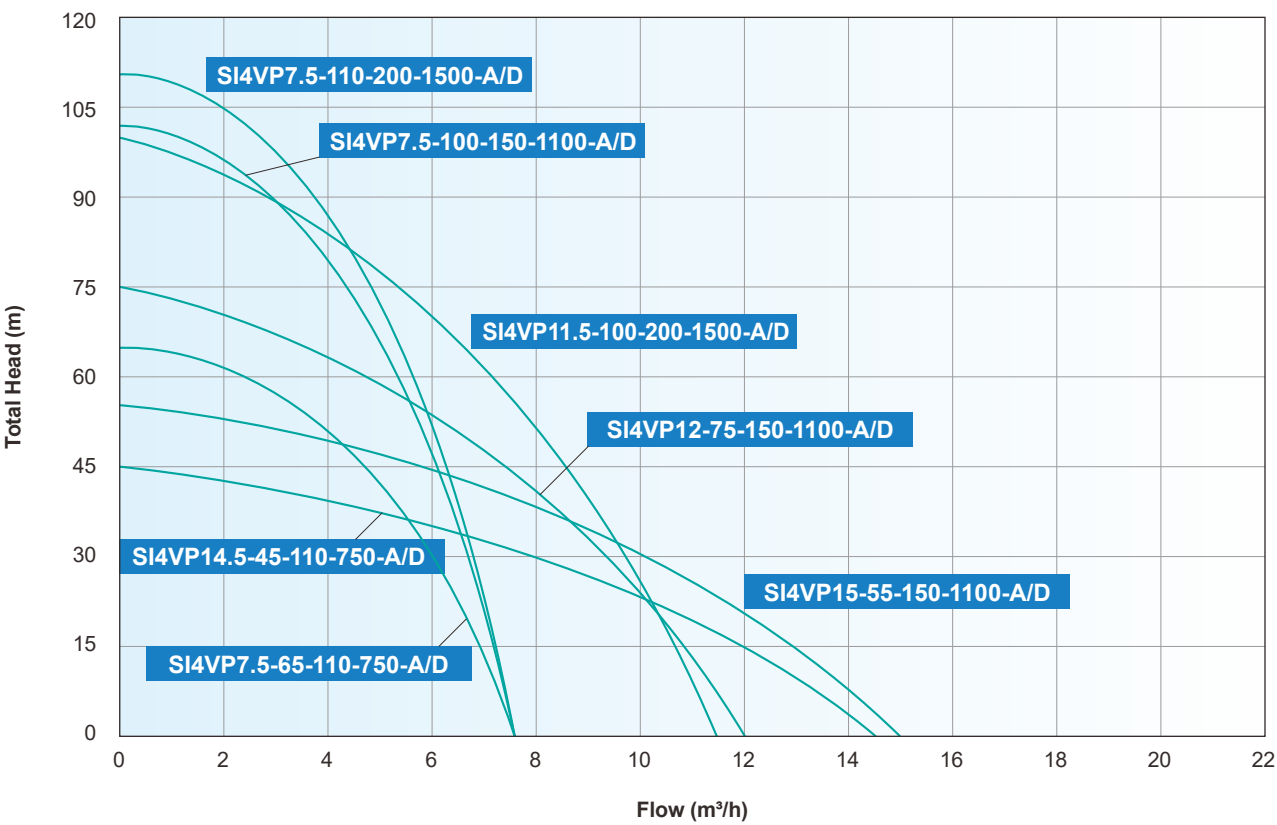
4" Hybrid AC/DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VP13-36-110-750-A/D	750	80-280	90-430	13	36	2"	2	<430	≥1.3*Pump Power
SI4VP13-49-150-1100-A/D	1100	80-280	90-430	13	49	2"	2	<430	≥1.3*Pump Power
SI4VP13-54-150-1300-A/D	1300	80-280	90-430	13	54	2"	2	<430	≥1.3*Pump Power
SI4VP13-60-200-1500-A/D	1500	80-280	90-430	13	60	2"	2	<430	≥1.3*Pump Power
SI4VP17-48-200-1500-A/D	1500	80-280	90-430	17	48	2"	2	<430	≥1.3*Pump Power

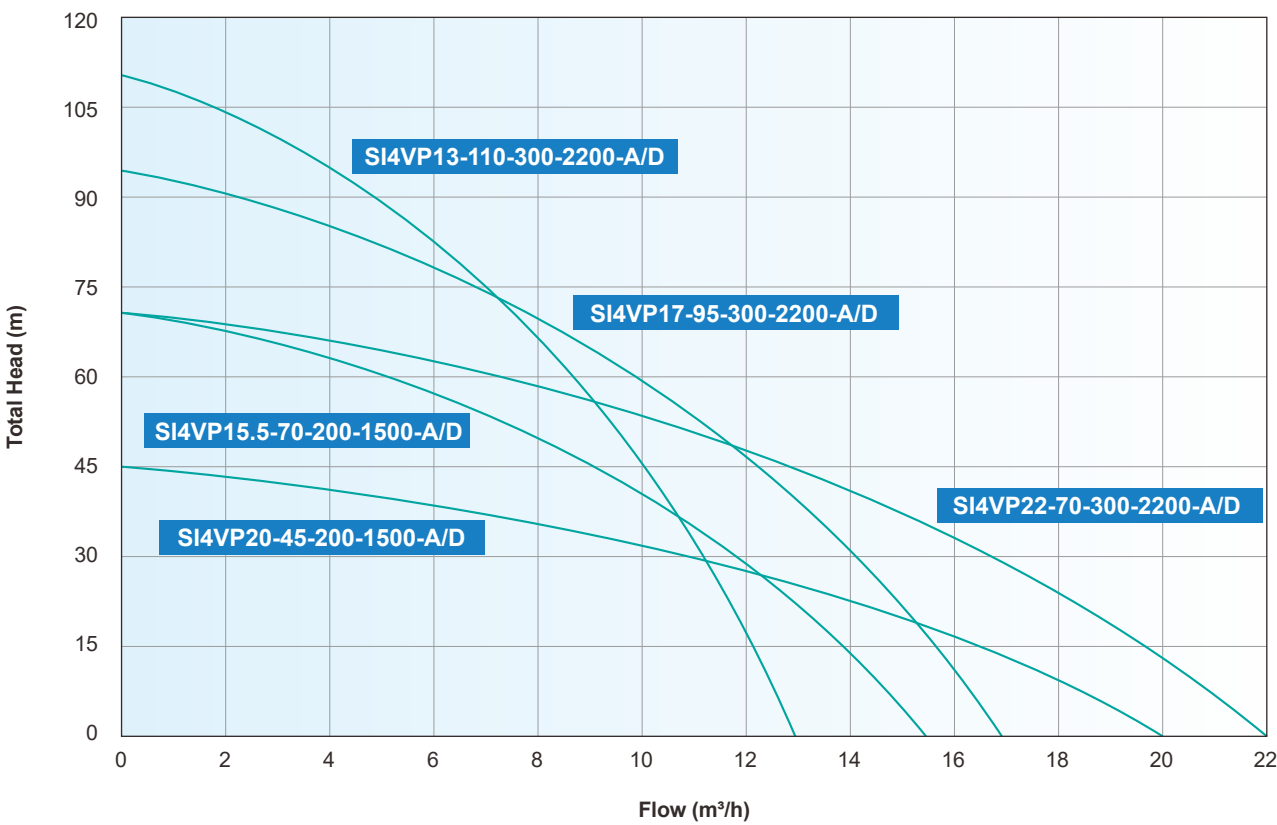
4" Hybrid AC/DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VP7.5-65-110-750-A/D	750	80-280	90-430	7.5	65	2"	2	<430	≥1.3*Pump Power
SI4VP7.5-100-150-1100-A/D	1100	80-280	90-430	7.5	100	2"	2	<430	≥1.3*Pump Power
SI4VP7.5-110-200-1500-A/D	1500	80-280	90-430	7.5	110	2"	2	<430	≥1.3*Pump Power
SI4VP12-75-150-1100-A/D	1100	80-280	90-430	12	75	2"	2	<430	≥1.3*Pump Power
SI4VP11.5-100-200-1500-A/D	1500	80-280	90-430	11.5	100	2"	2	<430	≥1.3*Pump Power
SI4VP14.5-45-110-750-A/D	750	80-280	90-430	14.5	45	2	2	<430	≥1.3*Pump Power
SI4VP15-55-150-1100-A/D	1100	80-280	90-430	15	55	2	2	<430	≥1.3*Pump Power

4" Hybrid AC/DC Solar Pump with Plastic Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VP13-110-300-2200-A/D	2200	80-280	90-430	13	110	2"	2	<430	≥1.3*Pump Power
SI4VP15.5-70-200-1500-A/D	1500	80-280	90-430	15.5	70	2"	2	<430	≥1.3*Pump Power
SI4VP17-95-300-2200-A/D	2200	80-280	90-430	17	95	2"	2	<430	≥1.3*Pump Power
SI4VP20-45-200-1500-A/D	1500	80-280	90-430	20	45	2"	2	<430	≥1.3*Pump Power
SI4VP22-70-300-2200-A/D	2200	80-280	90-430	22	70	2"	2	<430	≥1.3*Pump Power

SIVS DC SOLAR PUMP WITH SS IMPELLER

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Applications

- Agriculture irrigation, livestock feeding, domestic watering
- Clean water supply from wells or reservoirs
- Off-grid solar pumping system

Pump Features

- MPPT DC controller
- Efficient PMSM brushless motor
- (PMSM: Permanent Magnet Synchronous Motor)

MPPT DC Controller

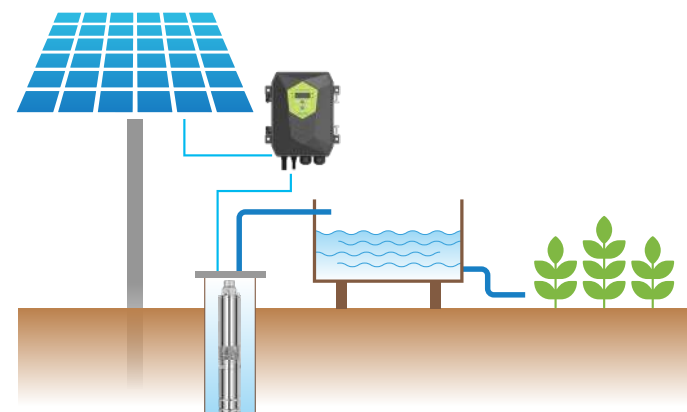
- Protection class: IP55
- Ambient temperature: -15~60°C
- Working conditions & fault code on LED screen
- Auto Start & Stop
- Soft start & frequency conversion



Identification Codes

SI3VS 4 - 35 - 24 - 300

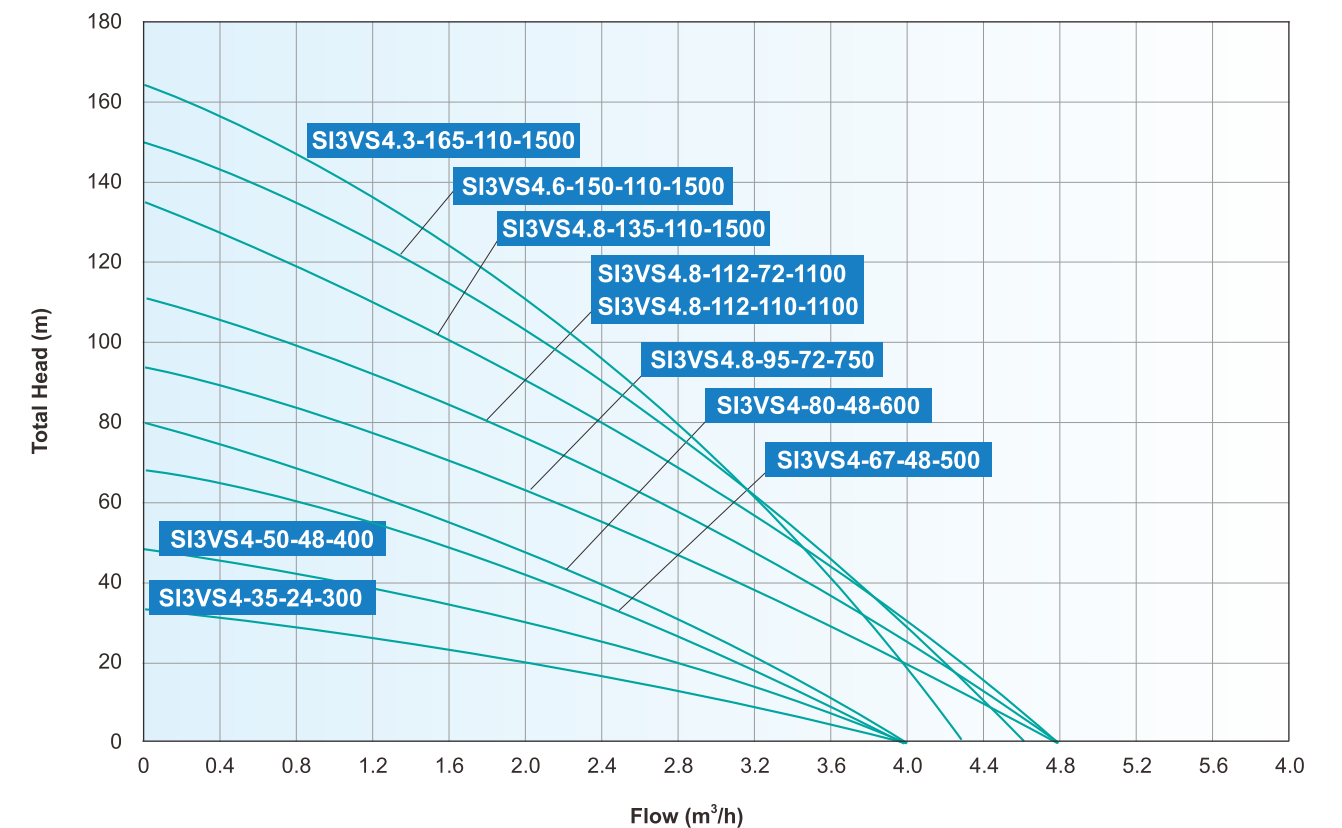
Power (W)
Motor Voltage
Max. Head (m)
Max. Flow (m³/h)
3 Inch
DC SS Impeller Borehole
Pump



Free Spare Parts

Please refer to page 56 of this manual

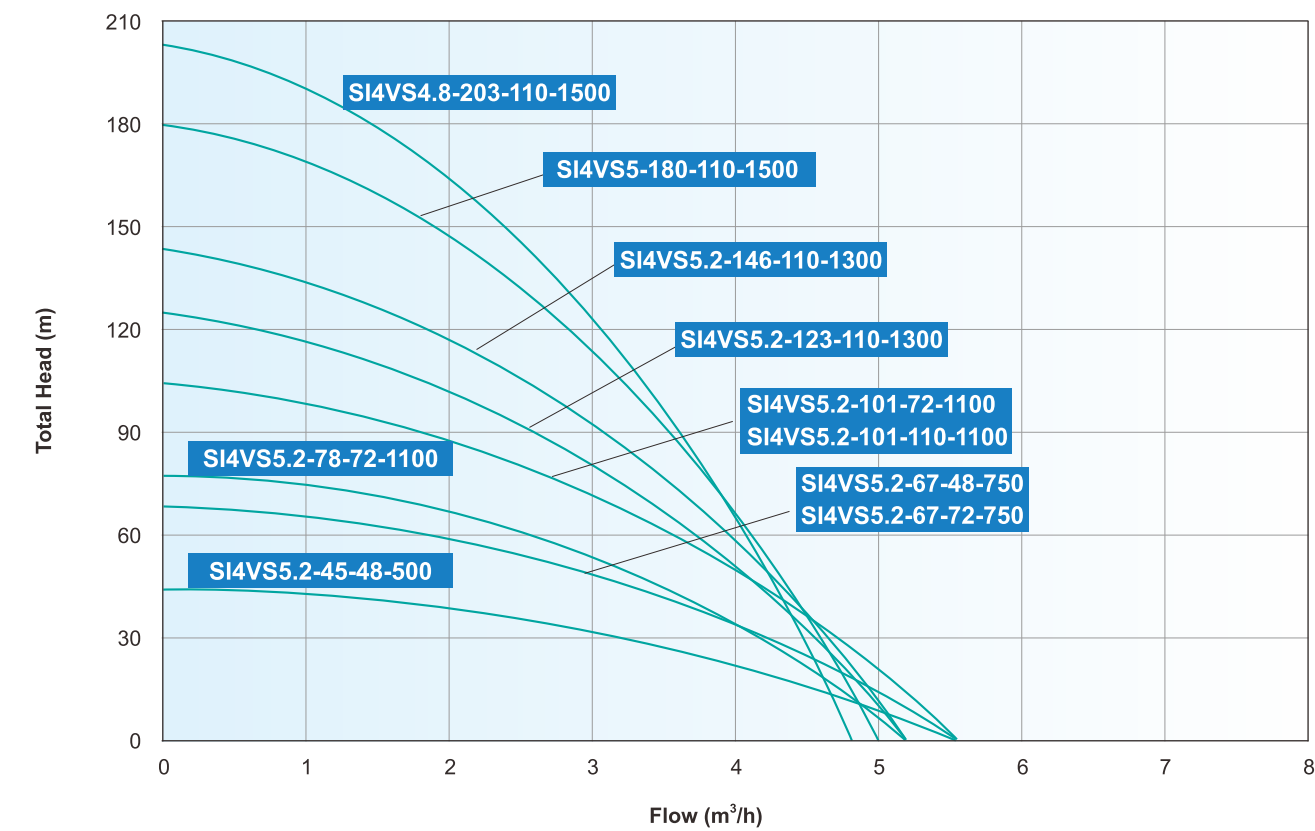
3" DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI3VS4-35-24-300	300	24	30-48	4	35	1¼"	2	< 55	≥1.3*Pump Power
SI3VS4-50-48-400	400	48	60-90	4	50	1¼"	2	< 105	≥1.3*Pump Power
SI3VS4-67-48-500	500	48	60-90	4	67	1¼"	2	< 105	≥1.3*Pump Power
SI3VS4-80-48-600	600	48	60-90	4	80	1¼"	2	< 105	≥1.3*Pump Power
SI3VS4.8-95-72-750	750	72	90-120	4.8	95	1¼"	2	< 160	≥1.3*Pump Power
SI3VS4.8-112-72-1100	1100	72	90-120	4.8	112	1¼"	2	< 160	≥1.3*Pump Power
SI3VS4.8-112-110-1100	1100	110	110-150	4.8	112	1¼"	2	< 210	≥1.3*Pump Power
SI3VS4.8-135-110-1500	1500	110	110-150	4.8	135	1¼"	2	< 210	≥1.3*Pump Power
SI3VS4.6-150-110-1500	1500	110	110-150	4.6	150	1¼"	2	< 210	≥1.3*Pump Power
SI3VS4.3-165-110-1500	1500	110	110-150	4.3	165	1¼"	2	< 210	≥1.3*Pump Power

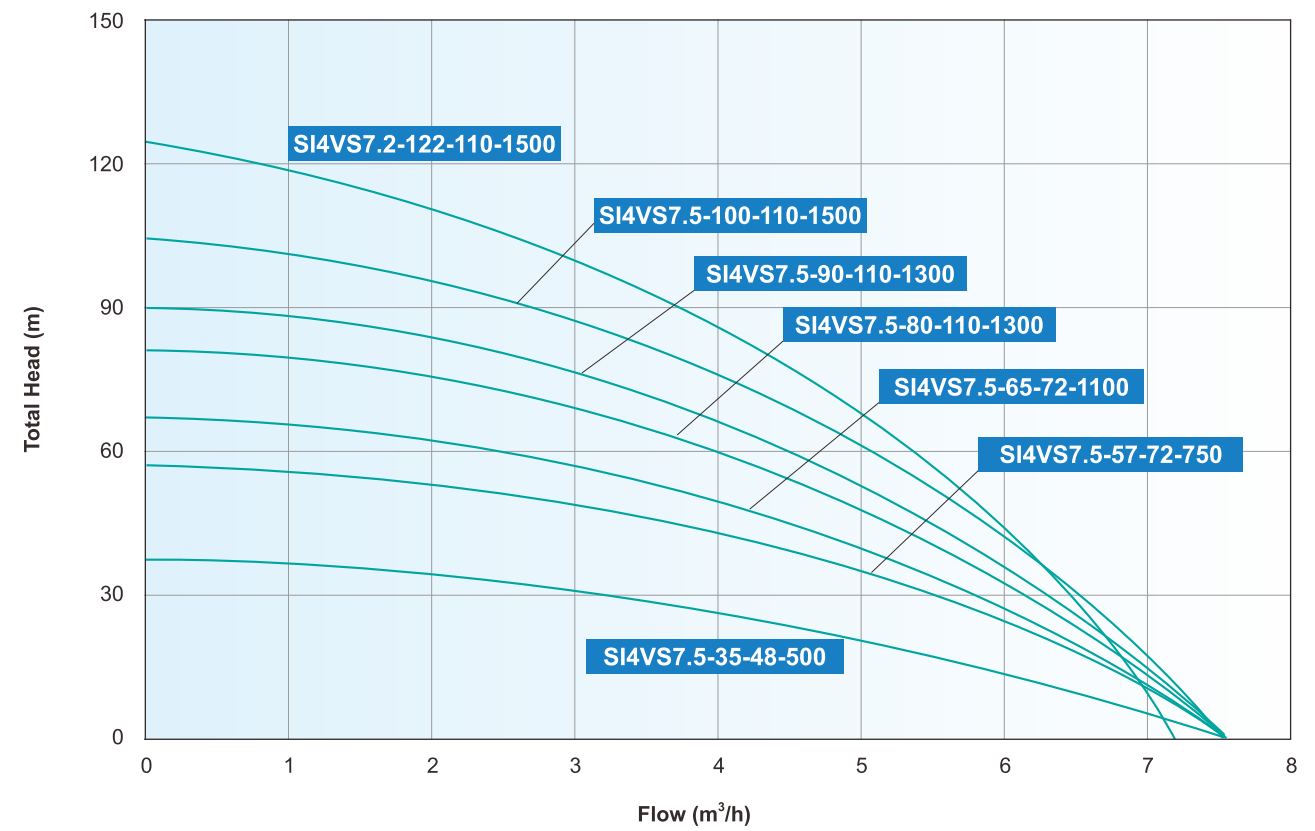
4" DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VS5.2-45-48-500	500	48	60-90	5.5	45	1¼"	2	< 105	≥1.3*Pump Power
SI4VS5.2-67-48-750	750	48	60-90	5.5	67	1¼"	2	< 105	≥1.3*Pump Power
SI4VS5.2-67-72-750	750	72	90-120	5.5	67	1¼"	2	< 160	≥1.3*Pump Power
SI4VS5.2-78-72-1100	1100	72	90-120	5.2	78	1¼"	2	< 160	≥1.3*Pump Power
SI4VS5.2-101-72-1100	1100	72	90-120	5.5	101	1¼"	2	< 160	≥1.3*Pump Power
SI4VS5.2-101-110-1100	1100	110	110-150	5.5	101	1¼"	2	< 210	≥1.3*Pump Power
SI4VS5.2-123-110-1300	1300	110	110-150	5.2	123	1¼"	2	< 210	≥1.3*Pump Power
SI4VS5.2-146-110-1300	1300	110	110-150	5.2	146	1¼"	2	< 210	≥1.3*Pump Power
SI4VS5-180-110-1500	1500	110	110-150	5	180	1¼"	2	< 210	≥1.3*Pump Power
SI4VS4.8-203-110-1500	1500	110	110-150	4.8	203	1¼"	2	< 210	≥1.3*Pump Power

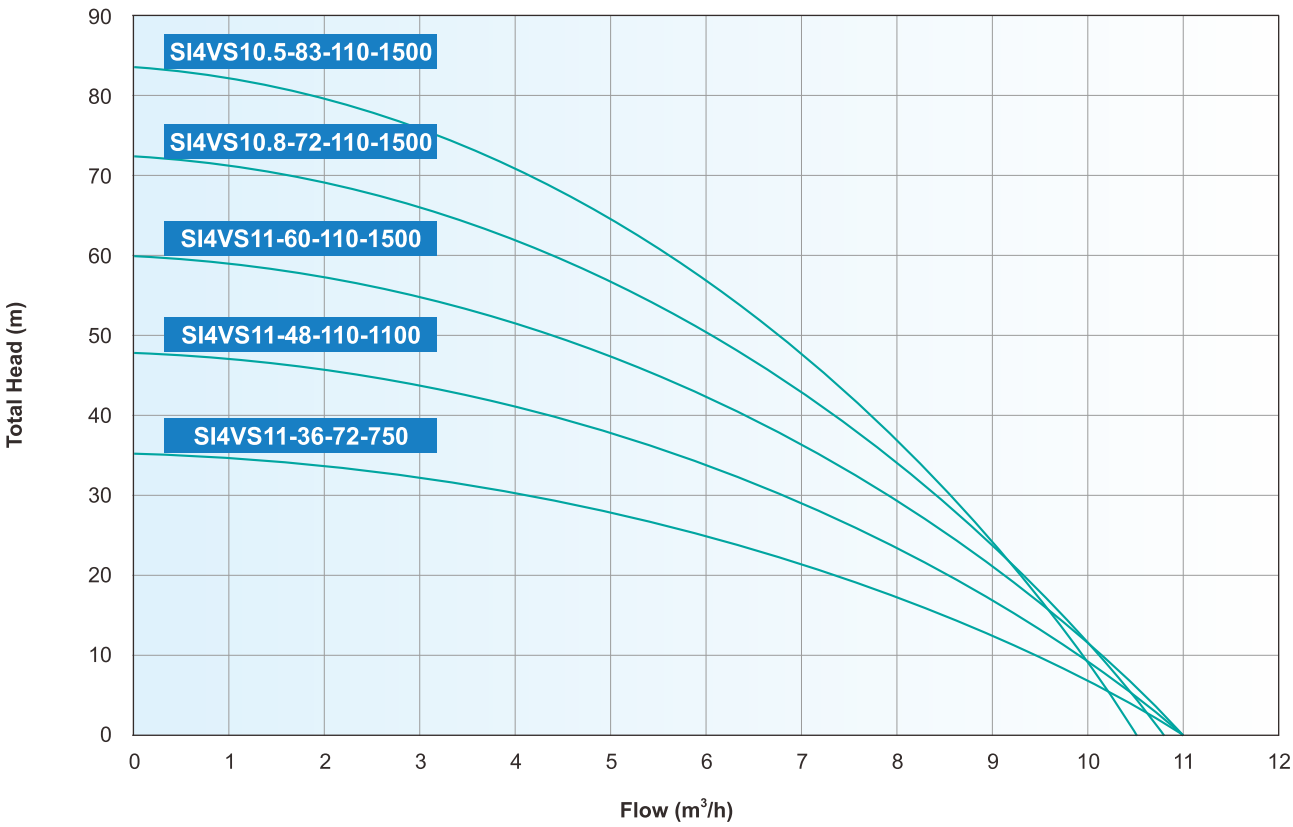
4" DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VS7.5-35-48-500	500	48	60-90	7.5	35	1¼"	2	< 105	≥1.3*Pump Power
SI4VS7.5-57-72-750	750	72	90-120	7.5	57	1¼"	2	< 160	≥1.3*Pump Power
SI4VS7.5-65-72-1100	1100	72	90-120	7.5	65	1¼"	2	< 160	≥1.3*Pump Power
SI4VS7.5-80-110-1300	1300	110	110-150	7.5	80	1¼"	2	< 210	≥1.3*Pump Power
SI4VS7.5-90-110-1300	1300	110	110-150	7.5	90	1¼"	2	< 210	≥1.3*Pump Power
SI4VS7.5-100-110-1500	1500	110	110-150	7.5	100	1¼"	2	< 210	≥1.3*Pump Power
SI4VS7.2-122-110-1500	1500	110	110-150	7.2	122	1¼"	2	< 210	≥1.3*Pump Power

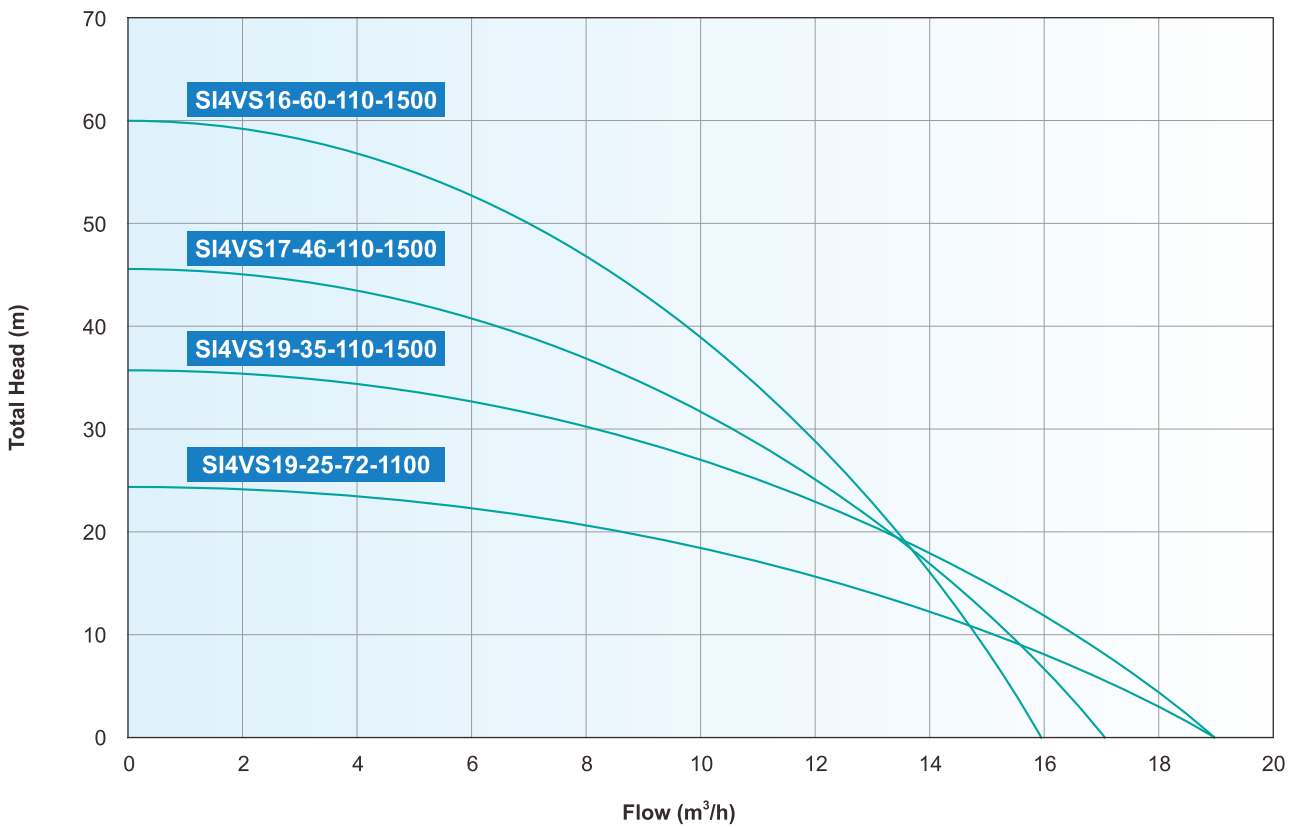
4" DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VS11-36-72-750	750	72	90-120	11	36	2"	2	< 160	≥1.3*Pump Power
SI4VS11-48-110-1100	1100	110	110-150	11	48	2"	2	< 210	≥1.3*Pump Power
SI4VS11-60-110-1500	1500	110	110-150	11	60	2"	2	< 210	≥1.3*Pump Power
SI4VS10.8-72-110-1500	1500	110	110-150	10.8	72	2"	2	< 210	≥1.3*Pump Power
SI4VS10.5-83-110-1500	1500	110	110-150	10.5	83	2"	2	< 210	≥1.3*Pump Power

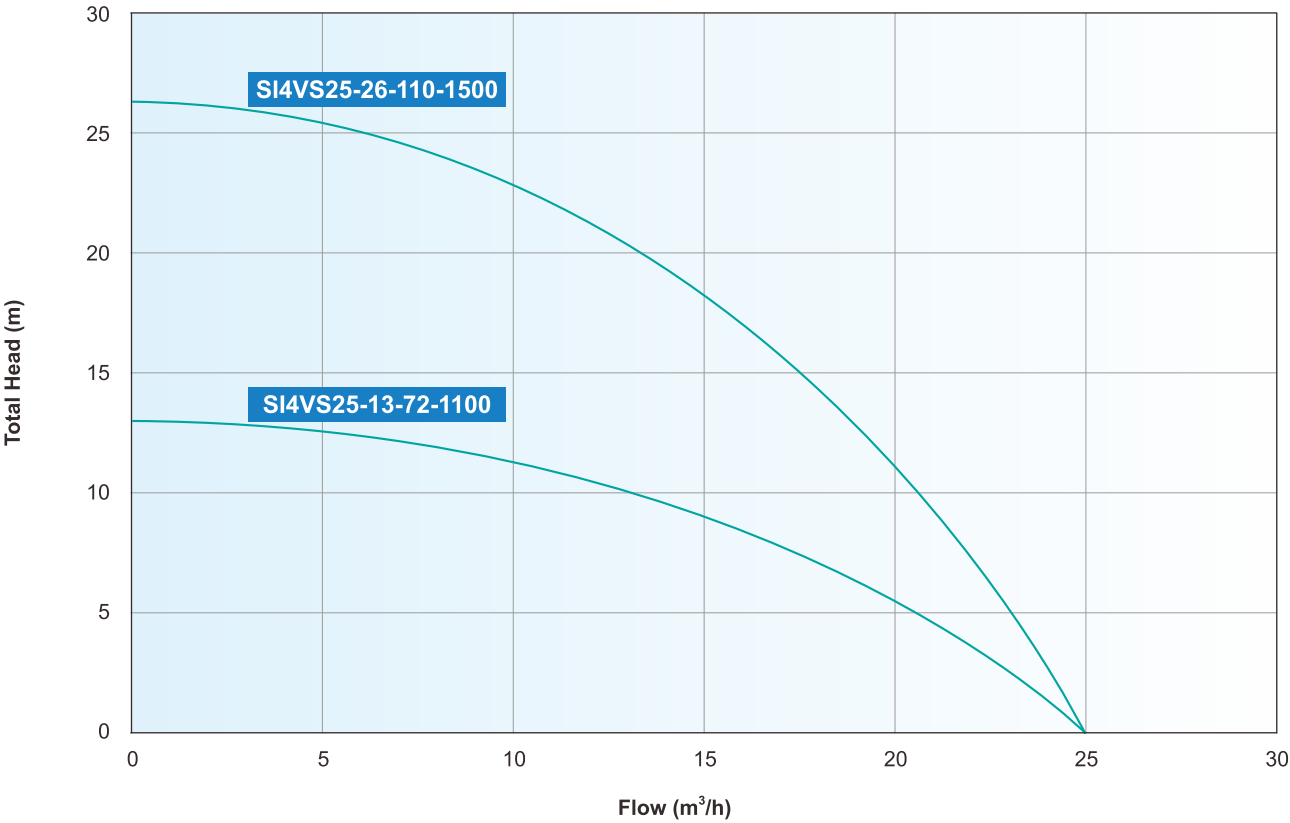
4" DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VS19-25-72-1100	1100	72	90-120	19	25	2"	2	< 160	≥1.3*Pump Power
SI4VS19-35-110-1500	1500	110	110-150	19	35	2"	2	< 210	≥1.3*Pump Power
SI4VS17-46-110-1500	1500	110	110-150	17	46	2"	2	< 210	≥1.3*Pump Power
SI4VS16-60-110-1500	1500	110	110-150	16	60	2"	2	< 210	≥1.3*Pump Power

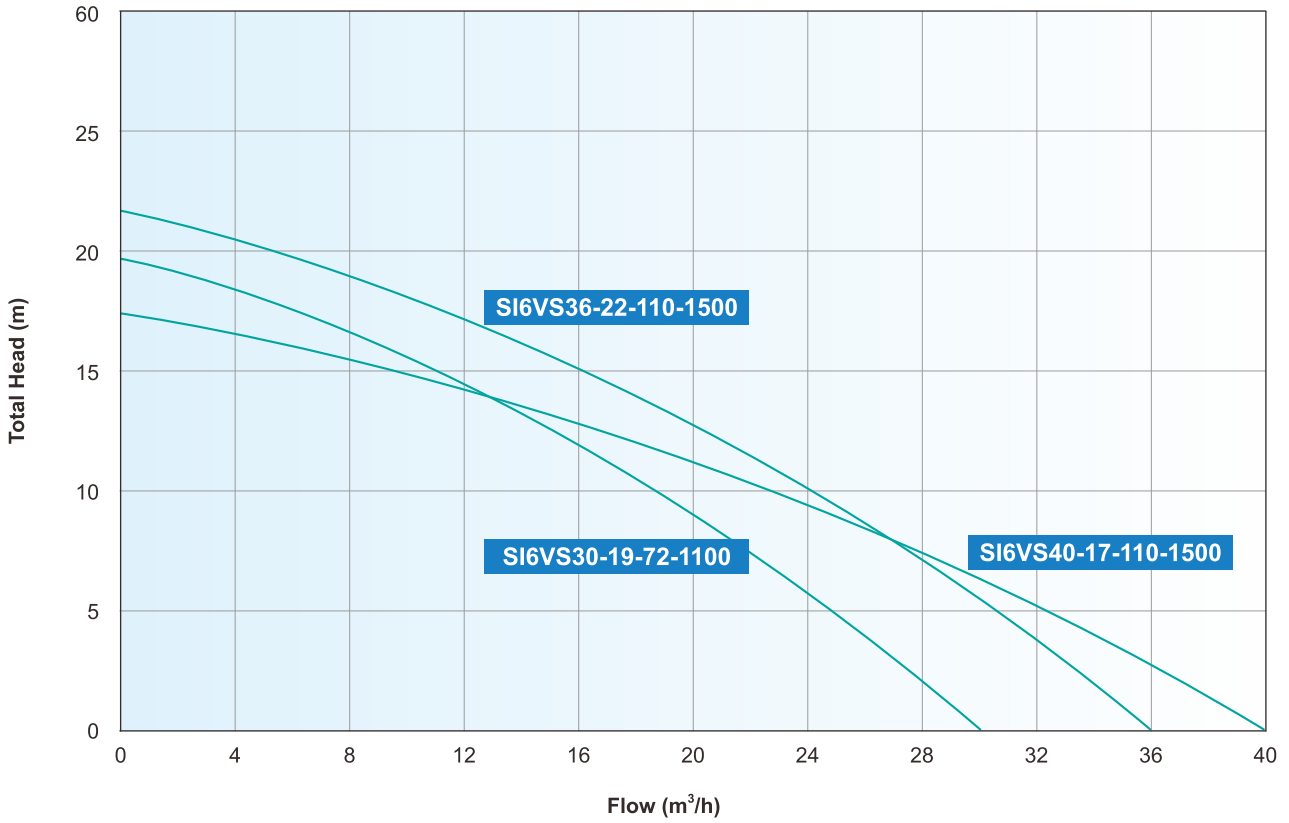
4" DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VS25-13-72-1100	1100	72	90-120	25	13	2"	2	< 160	≥1.3*Pump Power
SI4VS25-26-110-1500	1500	110	110-150	25	26	2"	2	< 210	≥1.3*Pump Power

6" DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI6VS30-19-72-1100	1100	72	90-120	30	19	3"	2	< 210	≥1.3*Pump Power
SI6VS36-22-110-1500	1500	110	110-150	36	22	3"	2	< 210	≥1.3*Pump Power
SI6VS40-17-110-1500	1500	110	110-150	40	17	3"	2	< 210	≥1.3*Pump Power

SIVS AC/DC SOLAR PUMP WITH SS IMPELLER

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Applications

- Agriculture irrigation, livestock feeding, domestic water lifting
- Clean water supply from wells or reservoirs
- Off-grid solar pumping system

Pump Features

- MPPT AC/DC controller
- AISI304 impeller and diffuser
- AISI304 oil chamber
- NSK Bearing
- High efficiency PMSM brushless motor
(PMSM: Permanent Magnet Synchronous Motor)

MPPT DC Controller

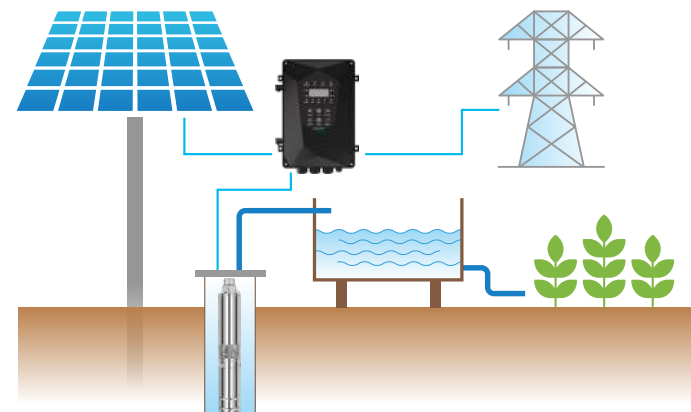
- Can be used for both AC and DC power supply
- Protection class: IP55
- Ambient temperature: -15~60C
- LED Displays working conditions & Fault code
- Auto Start & Stop
- Soft start & VFD function



Identification Codes

SI3VS 4.8-95-110-750-A/D

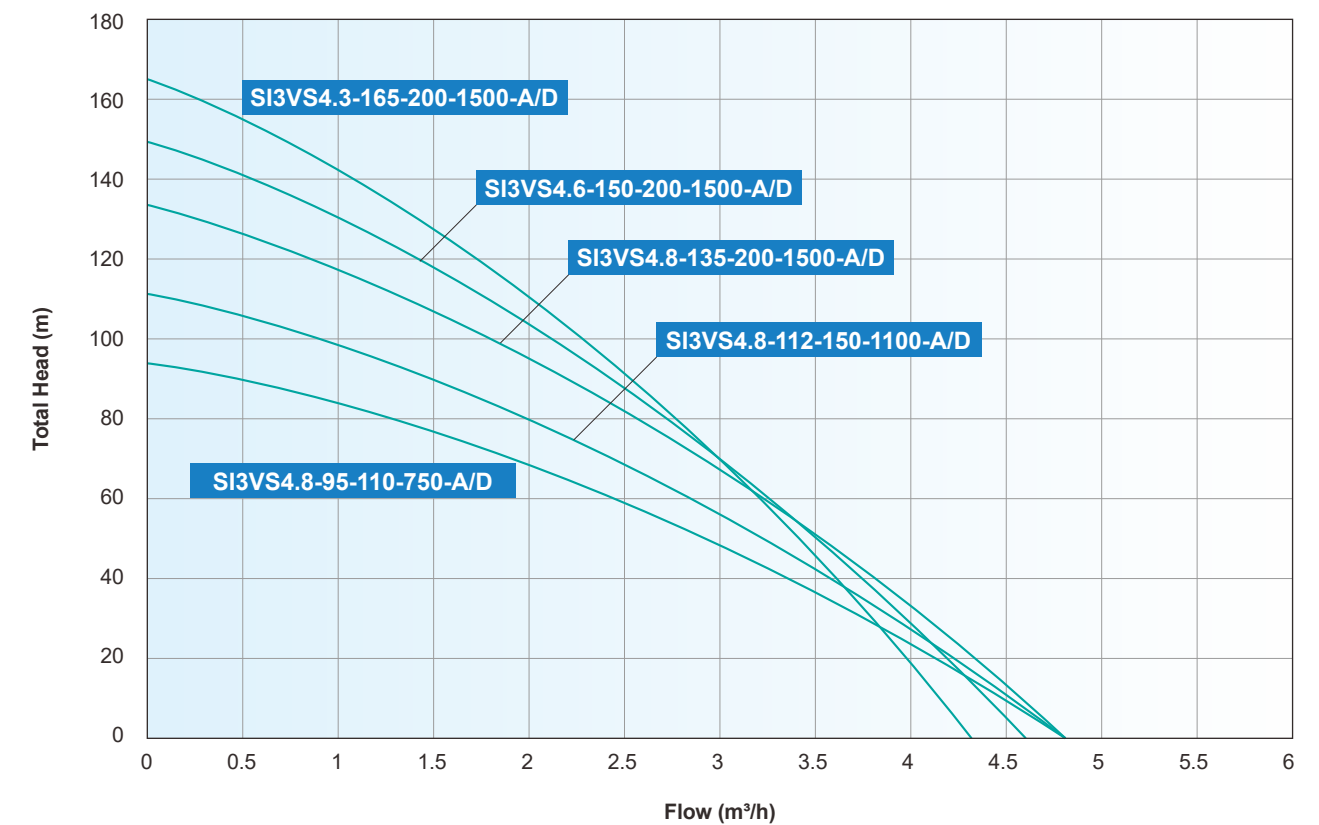
- Hybrid AC/DC
- Rated Power (W)
- Motor Voltage
- Max. Head (m)
- Max. Flow (m³/h)
- 3 Inch
- DC SS Impeller
- Borehole Pump



Free Spare Parts

Please refer to page 57 of this manual

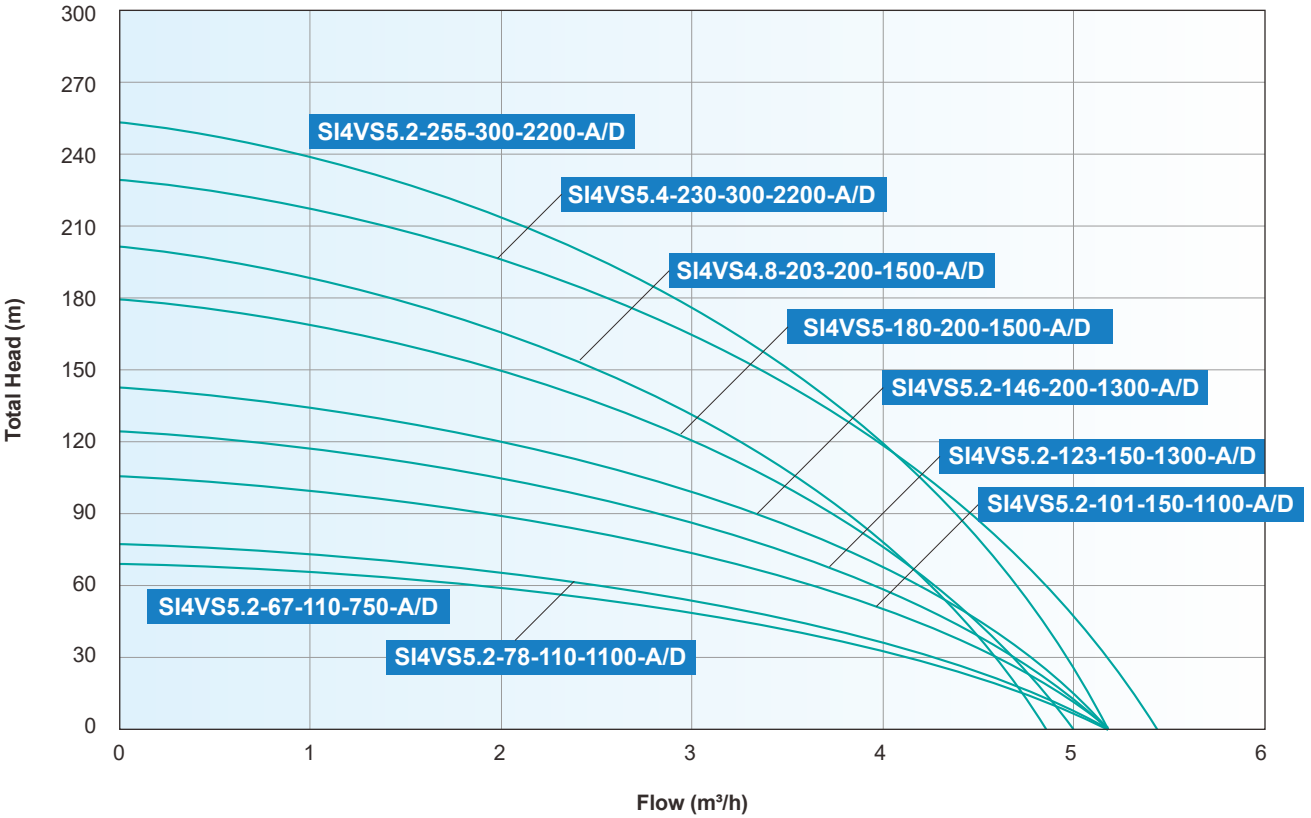
3" Hybrid AC/DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI3VS4.8-95-110-750-A/D	750	80-280	90-430	3.5	95	1 1/4"	2	<430	≥1.3*Pump Power
SI3VS4.8-112-150-1100-A/D	1100	80-280	90-430	3.8	123	1 1/4"	2	<430	≥1.3*Pump Power
SI3VS4.8-135-200-1500-A/D	1300	80-280	90-430	3.8	155	1 1/4"	2	<430	≥1.3*Pump Power
SI3VS4.6-150-200-1500-A/D	1500	80-280	90-430	3.8	180	1 1/4"	2	<430	≥1.3*Pump Power
SI3VS4.3-165-200-1500-A/D	1500	80-280	90-430	3.5	195	1 1/4"	2	<430	≥1.3*Pump Power

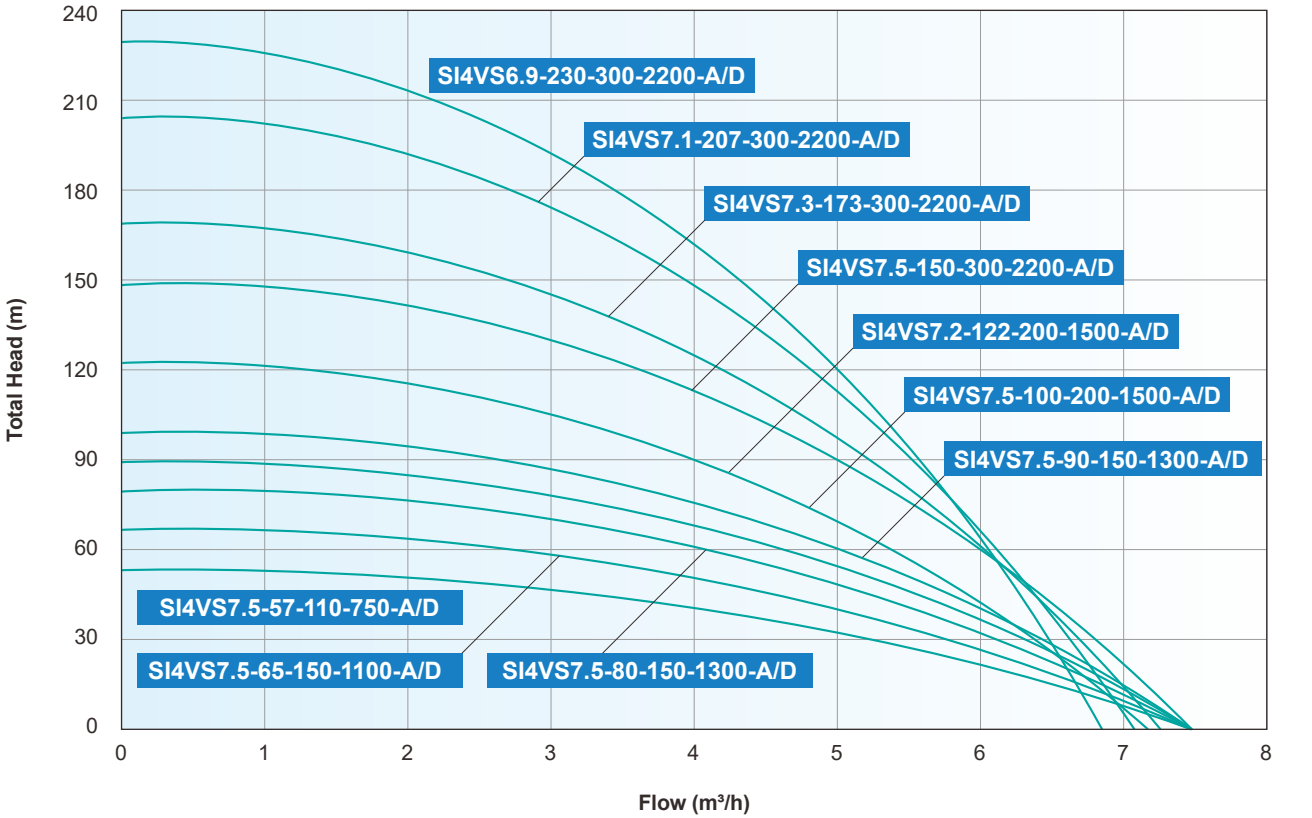
4" Hybrid AC/DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VS5.2-67-110-750-A/D	750	80-280	90-430	5.2	67	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS5.2-78-110-1100-A/D	1100	80-280	90-430	5.2	78	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS5.2-101-150-1100-A/D	1100	80-280	90-430	5.2	101	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS5.2-123-150-1300-A/D	1300	80-280	90-430	5.2	123	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS5.2-146-200-1300-A/D	1300	80-280	90-430	5.2	146	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS5-180-200-1500-A/D	1500	80-280	90-430	5	180	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS4.8-203-200-1500-A/D	1500	80-280	90-430	4.8	203	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS5.4-230-300-2200-A/D	2200	80-280	90-430	5.4	230	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS5.2-255-300-2200-A/D	2200	80-280	90-430	5.2	255	1 1/4"	2	<430	≥1.3*Pump Power

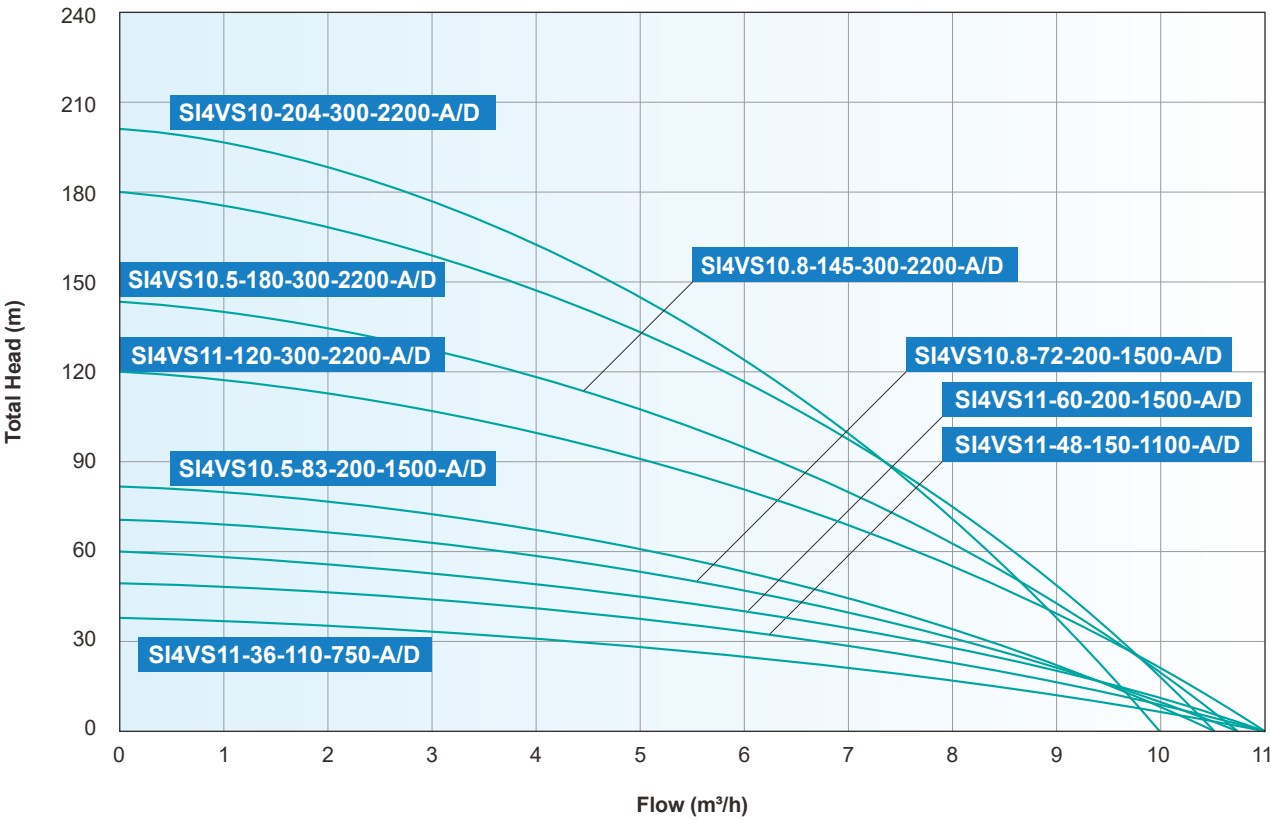
4" Hybrid AC/DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VS7.5-57-110-750-A/D	750	80-280	90-430	7.5	57	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS7.5-65-150-1100-A/D	1100	80-280	90-430	7.5	65	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS7.5-80-150-1300-A/D	1300	80-280	90-430	7.5	80	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS7.5-90-150-1300-A/D	1300	80-280	90-430	7.5	90	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS7.5-100-200-1500-A/D	1500	80-280	90-430	7.5	100	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS7.2-122-200-1500-A/D	1500	80-280	90-430	7.2	122	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS7.5-150-300-2200-A/D	2200	80-280	90-430	7.5	150	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS7.3-173-300-2200-A/D	2200	80-280	90-430	7.3	173	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS7.1-207-300-2200-A/D	2200	80-280	90-430	7.1	207	1 1/4"	2	<430	≥1.3*Pump Power
SI4VS6.9-230-300-2200-A/D	2200	80-280	90-430	6.9	230	1 1/4"	2	<430	≥1.3*Pump Power

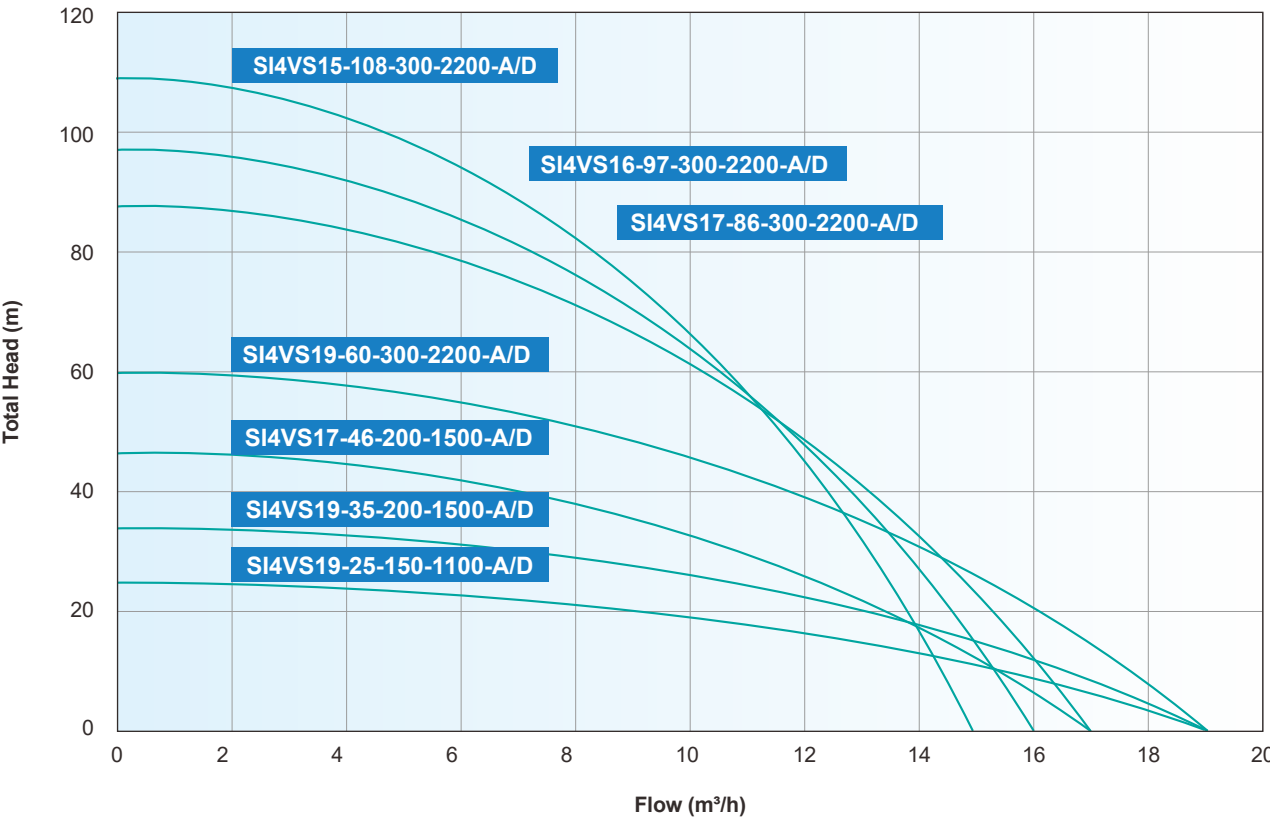
4" Hybrid AC/DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VS11-36-110-750-A/D	750	80-280	90-430	11	36	2"	2	<430	≥1.3*Pump Power
SI4VS11-48-150-1100-A/D	1100	80-280	90-430	11	48	2"	2	<430	≥1.3*Pump Power
SI4VS11-60-200-1500-A/D	1500	80-280	90-430	11	60	2"	2	<430	≥1.3*Pump Power
SI4VS10.8-72-200-1500-A/D	1500	80-280	90-430	10.8	72	2"	2	<430	≥1.3*Pump Power
SI4VS10.5-83-200-1500-A/D	1500	80-280	90-430	10.5	83	2"	2	<430	≥1.3*Pump Power
SI4VS11-120-300-2200-A/D	2200	80-280	90-430	11	120	2"	2	<430	≥1.3*Pump Power
SI4VS10.8-145-300-2200-A/D	2200	80-280	90-430	10.8	145	2"	2	<430	≥1.3*Pump Power
SI4VS10.5-180-300-2200-A/D	2200	80-280	90-430	10.5	180	2"	2	<430	≥1.3*Pump Power
S14VS10-204-300-2200-A/D	2200	80-280	90-430	10	204	2"	2	<430	≥1.3*Pump Power

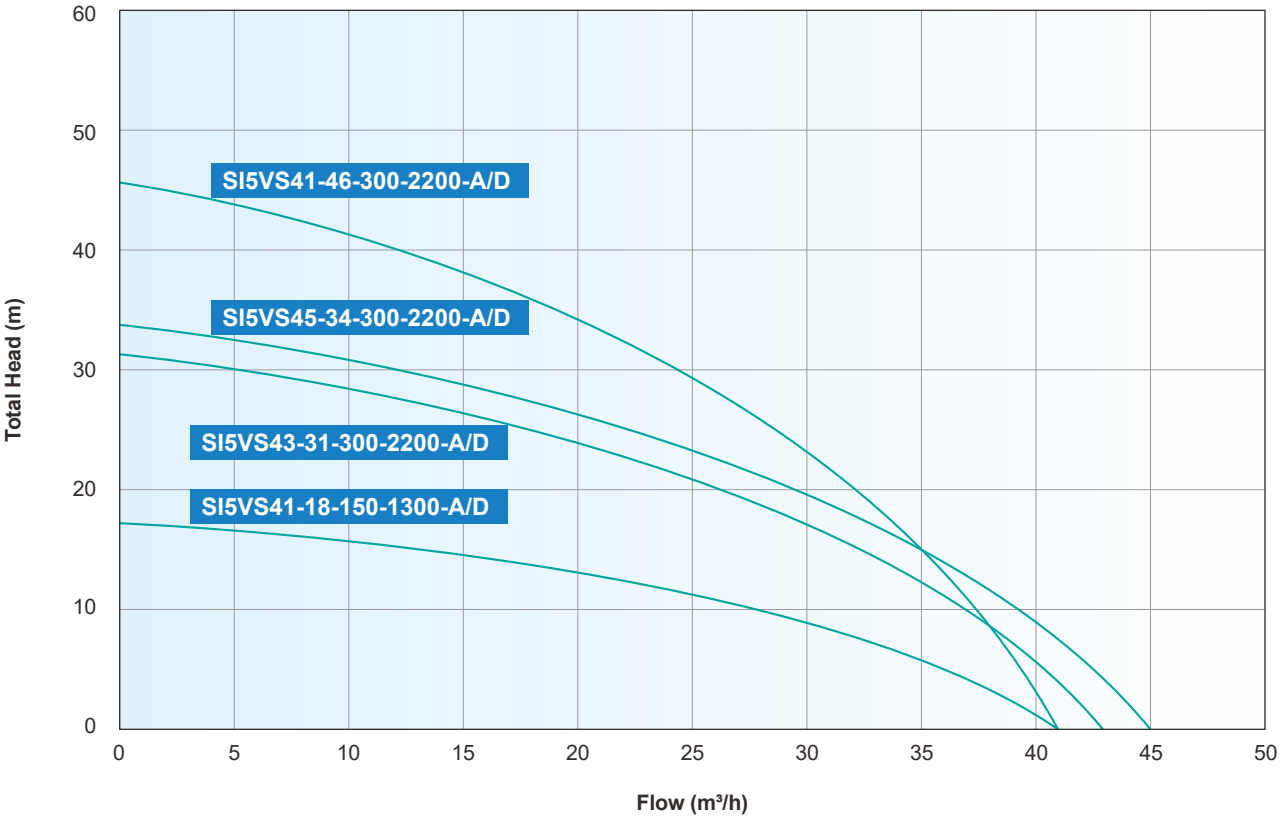
4" Hybrid AC/DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI4VS19-25-150-1100-A/D	1100	80-280	90-430	19	25	2"	2	<430	≥1.3*Pump Power
SI4VS19-35-200-1500-A/D	1500	80-280	90-430	19	35	2"	2	<430	≥1.3*Pump Power
SI4VS17-46-200-1500-A/D	1500	80-280	90-430	17	46	2"	2	<430	≥1.3*Pump Power
SI4VS19-60-300-2200-A/D	2200	80-280	90-430	19	60	2"	2	<430	≥1.3*Pump Power
SI4VS17-86-300-2200-A/D	2200	80-280	90-430	17	86	2"	2	<430	≥1.3*Pump Power
SI4VS16-97-300-2200-A/D	2200	80-280	90-430	16	97	2"	2	<430	≥1.3*Pump Power
SI4VS15-108-300-2200-A/D	2200	80-280	90-430	15	108	2"	2	<430	≥1.3*Pump Power

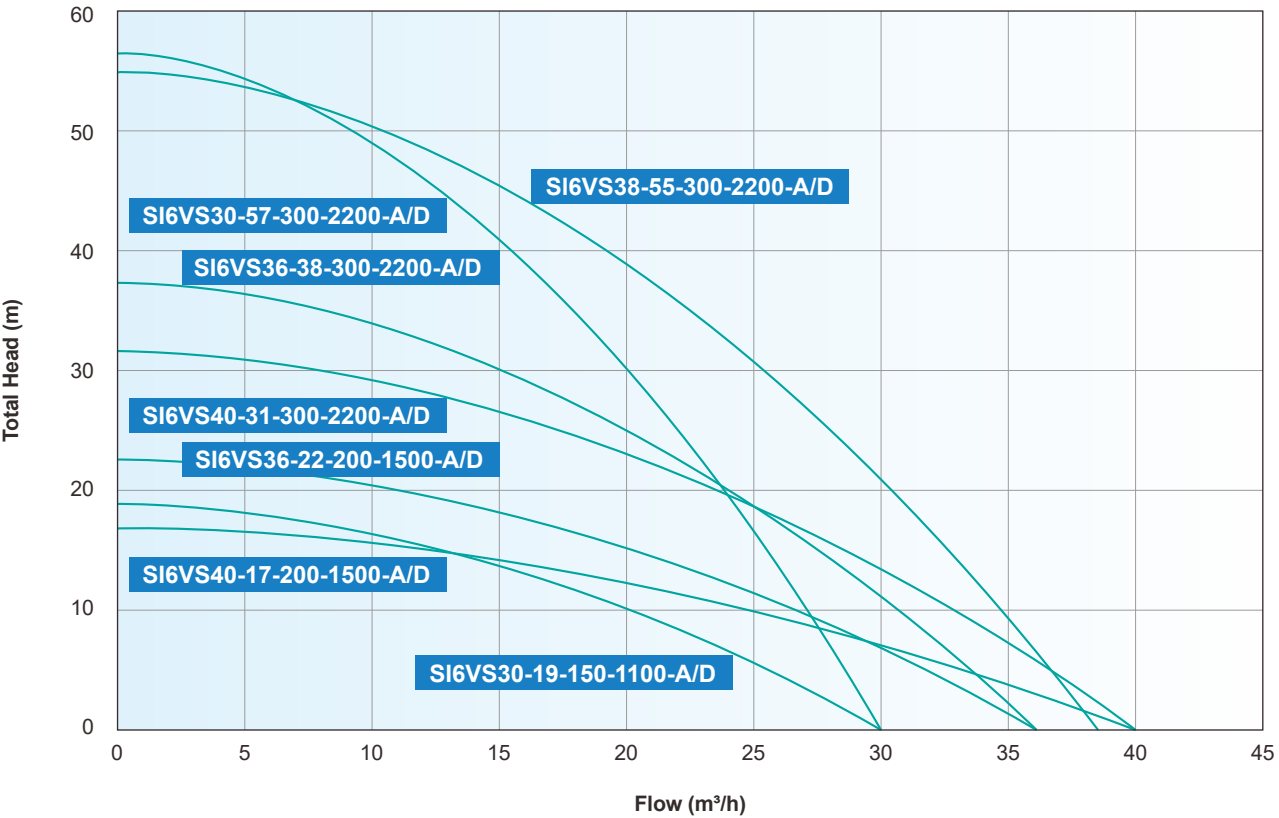
5" Hybrid AC/DC Solar Pump with SS Impeller



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI5VS41-18-150-1300-A/D	1300	80-280	90-430	41	18	2½"	2	<430	≥1.3*Pump Power
SI5VS43-31-300-2200-A/D	2200	80-280	90-430	43	31	2½"	2	<430	≥1.3*Pump Power
SI5VS41-46-300-2200-A/D	2200	80-280	90-430	41	46	2½"	2	<430	≥1.3*Pump Power
SI5VS45-34-300-2200-A/D	2200	80-280	90-430	45	34	2½"	2	<430	≥1.3*Pump Power

6" Hybrid AC/DC Solar Pump with SS Impeller



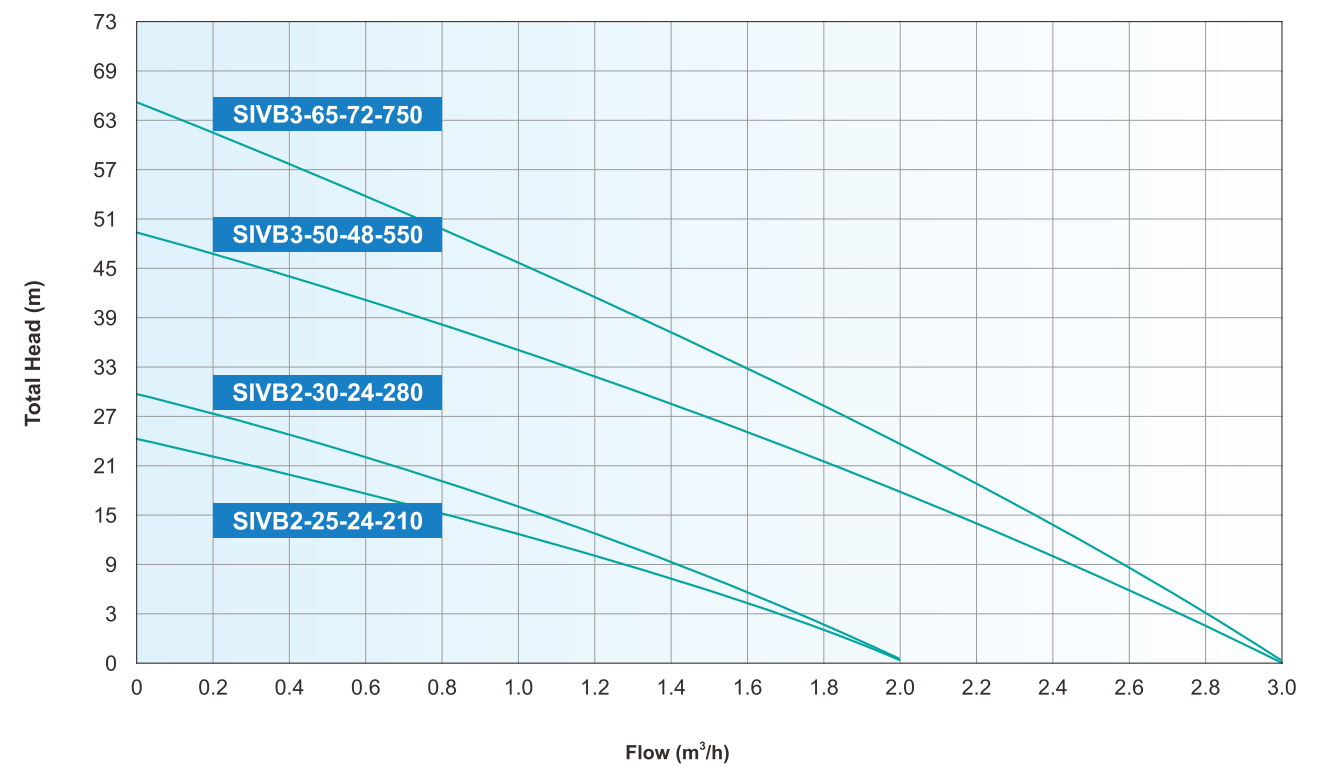
Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SI6VS30-19-150-1100-A/D	1100	80-280	90-430	30	19	3"	2	<430	≥1.3*Pump Power
SI6VS36-22-200-1500-A/D	1500	80-280	90-430	36	22	3"	2	<430	≥1.3*Pump Power
SI6VS36-38-300-2200-A/D	2200	80-280	90-430	36	38	3"	2	<430	≥1.3*Pump Power
SI6VS30-57-300-2200-A/D	2200	80-280	90-430	30	57	3"	2	<430	≥1.3*Pump Power
SI6VS40-17-200-1500-A/D	2200	80-280	90-430	40	17	3"	2	<430	≥1.3*Pump Power
SI6VS40-31-300-2200-A/D	2200	80-280	90-430	40	31	3"	2	<430	≥1.3*Pump Power
SI6VS38-55-300-2200-A/D	2200	80-280	90-430	38	55	3"	2	<430	≥1.3*Pump Power

SIVB DC SOLAR PERIPHERAL PUMP

VEICHI

DC Solar Peripheral Pump



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Inlet/Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SIVB2-25-24-210	210	24	30-48	2	25	1"x1"	2	< 55	≥1.3*Pump Power
SIVB2-30-24-280	280	24	30-48	2	30	1"x1"	2	< 55	≥1.3*Pump Power
SIVB3-50-48-550	550	48	60-90	3	50	1"x1"	2	< 105	≥1.3*Pump Power
SIVB3-65-72-750	750	72	90-120	3	65	1"x1"	2	< 160	≥1.3*Pump Power

Applications

- Transfer clean water or other water-like liquids with similar chemical properties
- Farm irrigation and domestic watering in areas without electricity
- Off-grid solar irrigation system

Pump Features

- 100% copper winding
- Efficient PMSM brushless motor (PMSM: Permanent Magnet Synchronous Motor)
- Efficient synchronous motor
- Cast iron pump body with e-coating treatment
- Brass impeller

MPPT DC Controller

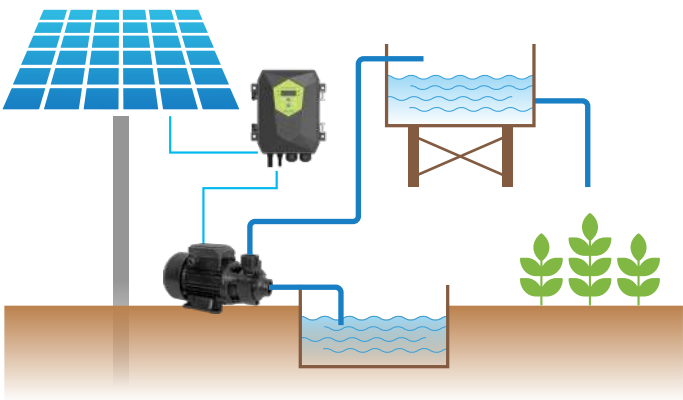
- Protection class: IP55
- Ambient temperature: -15~60°C
- Working conditions & fault code on LED screen
- Auto Start & Stop
- Soft start & frequency conversion



Identification Codes

SIVB 2 - 25 - 24 - 210

- Rated Power (W)
- Motor Voltage
- Max. Head (m)
- Max. Flow (m³/h)
- DC Solar Peripheral Pump



Free Spare Parts

Please refer to page 58 of this manual

SIVC DC SOLAR CENTRIFUGAL PUMP

VEICHI

Applications

- Transfer clean water or other water-like liquids with similar chemical properties
- Farm irrigation and domestic watering in areas without electricity
- Off-grid solar irrigation system

Pump Features

- 100% copper winding
- Efficient PMSM brushless motor
(PMSM: Permanent Magnet Synchronous Motor)
- Efficient synchronous motor
- Cast iron pump body with e-coating treatment
- Brass impeller

MPPT DC Controller

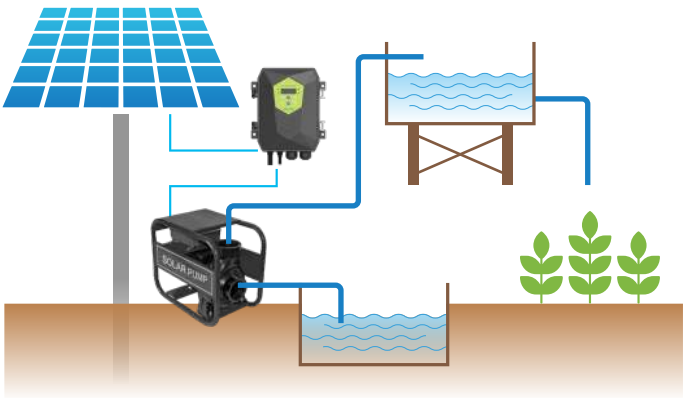
- Protection class: IP55
- Ambient temperature: -15~60°C
- Working conditions & fault code on LED screen
- Auto Start & Stop
- Soft start & frequency conversion



Identification Codes

SIVC 6 - 24 - 48 - 550

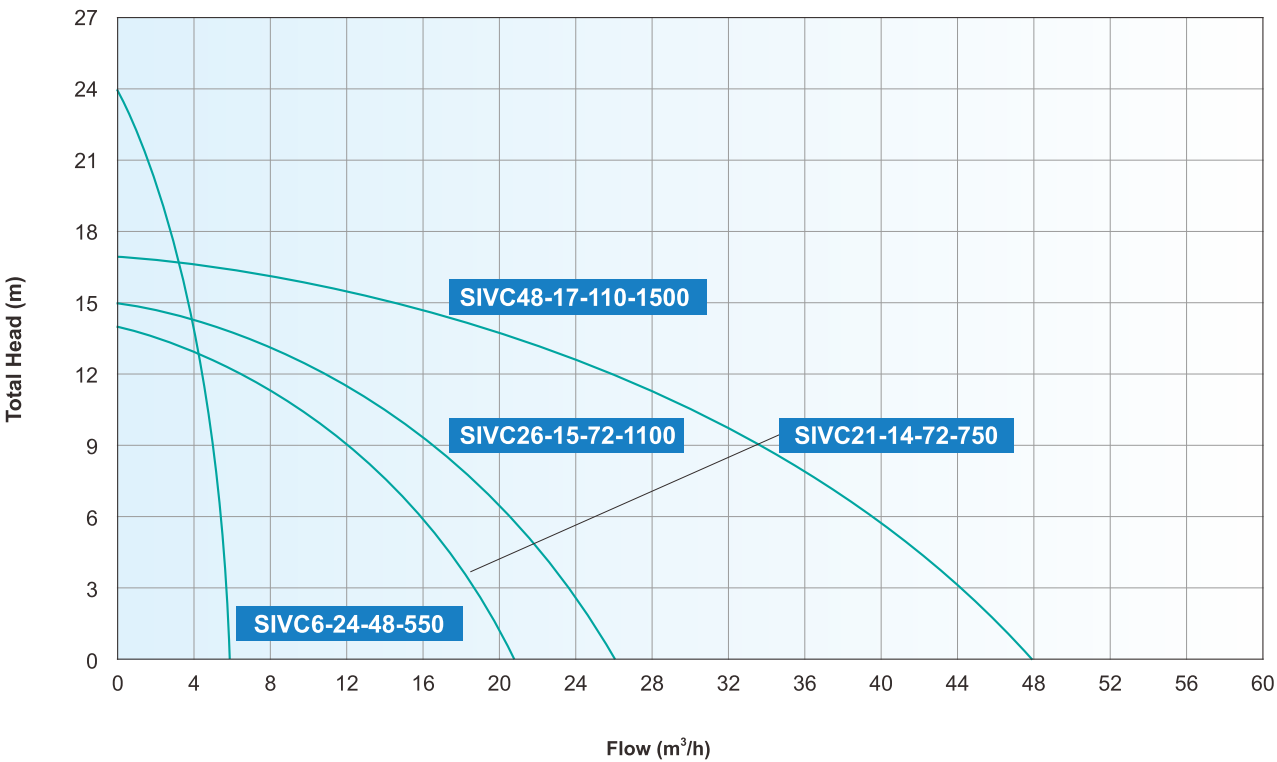
- Rated Power (W)
- Motor Voltage
- Max. Head (m)
- Max. Flow (m³/h)
- Solar Centrifugal Pump



Free Spare Parts

Please refer to page 59 of this manual

DC Solar Centrifugal Pump



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Inlet/Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SIVC6-24-48-550	550	48	60-90	6	24	1"x1"	2	< 105	≥1.3*Pump Power
SIVC21-14-72-750	750	72	90-120	21	14	2"x2"	2	< 160	≥1.3*Pump Power
SIVC26-15-72-1100	1100	72	90-120	26	15	2"x2"	2	< 160	≥1.3*Pump Power
SIVC48-17-110-1500	1500	110	110-150	45	17	3"x3"	2	< 210	≥1.3*Pump Power

SIVY DC SOLAR SWIMMING POOL PUMP

VEICHI

Applications

- Designed for use in residential and commercial swimming pools and spas.
- In most pool applications all of the filtration needs can be met directly from solar panels.

Pump Features

- 100% Copper winding
- High efficiency PMSM brushless motor (PMSM: Permanent Magnet Synchronous Motor)
- High efficiency Synchronous Motor

MPPT DC Controller

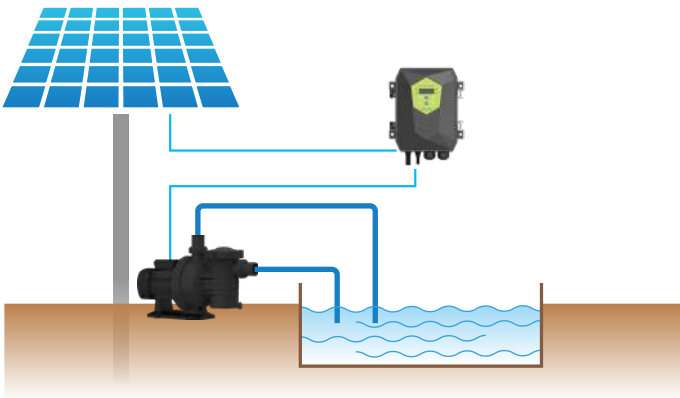
- Protection class: IP55
- Ambient temperature: -15 ~ 60 °C
- LED Displays working parameter & Fault code
- Soft start & Auto frequency conversion function
- Protection class: IP55



Identification Codes

SIVY 15-14-48-500

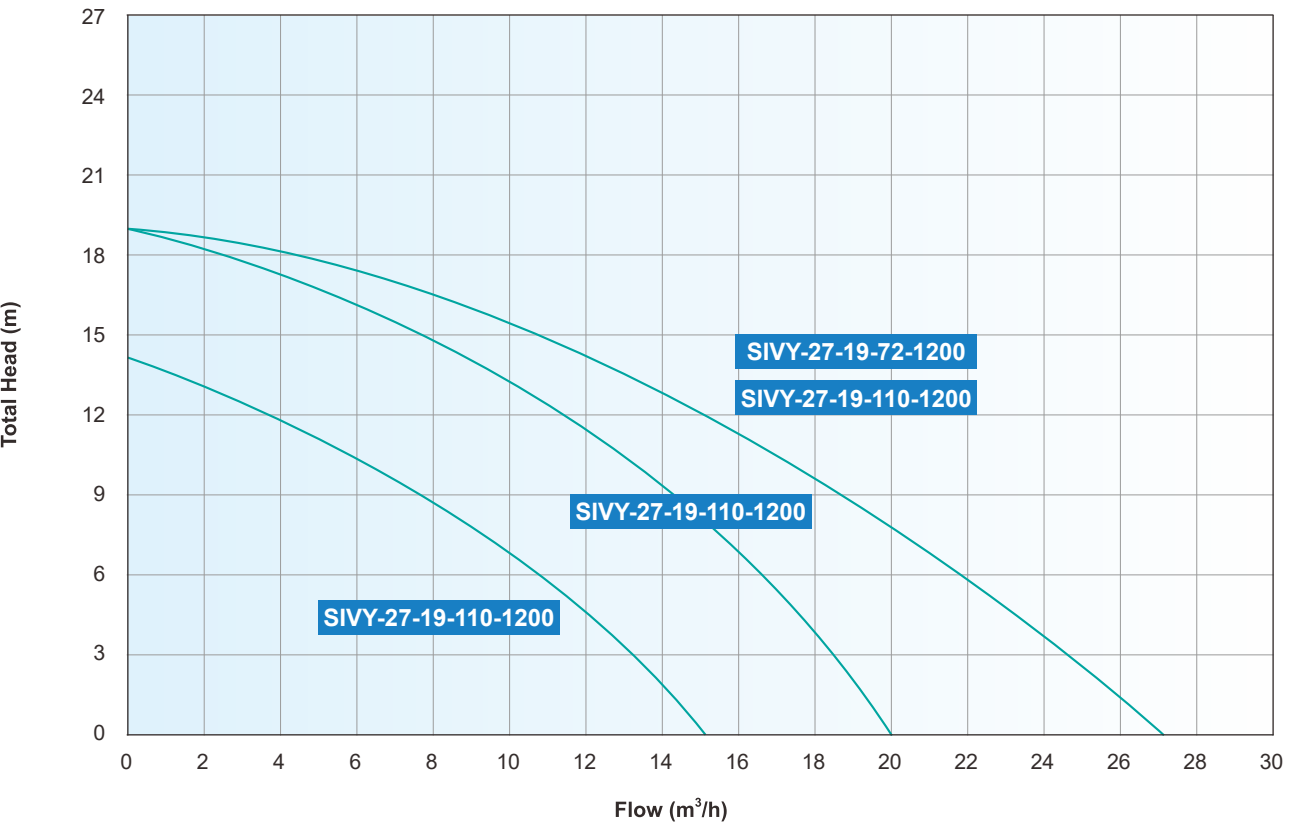
- Rated Power (W)
- Motor Voltage
- Max. Head (m)
- Max. Flow (m³/h)
- LEO DC Solar Swimming Pool Pump



Free Spare Parts

Please refer to page 60 of this manual

DC Solar Swimming Pool Pump



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Inlet/Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SIVY15-14-48-500	500	48	60-90	15	14	2"x2"	2	<105	≥1.3*Pump Power
SIVY20-19-72-900	900	72	90-120	20	19	2"x2"	2	<160	≥1.3*Pump Power
SIVY27-19-72-1200	1200	72	90-120	27	19	2"x2"	2	<160	≥1.3*Pump Power
SIVY27-19-110-1200	1200	110	110-150	27	19	2"x2"	2	<210	≥1.3*Pump Power

SIVB AC/DC SOLAR PERIPHERAL PUMP

Applications

- Transfer clean water or other liquids similar to water in physical and chemical properties
- Farm irrigation & Domestic water lifting for no electricity area
- Off grid solar irrigation system

Pump Features

- 100% Copper winding
- High efficiency PMSM brushless motor (PMSM: Permanent Magnet Synchronous Motor)
- High efficiency synchronous motor
- Cast iron pump body with e-coating treatment
- Brass impeller

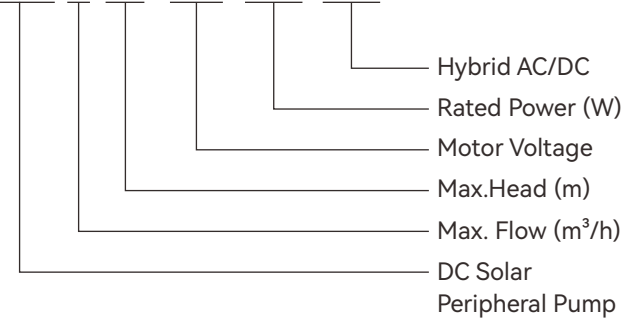
MPPT AC/DC Controller

- Can be used for both AC and DC power supply
- Ambient temperature: -15~60°C
- LED Displays working parameter & Fault code
- Soft start & Auto frequency conversion function
- Protection class: IP55



Identification Codes

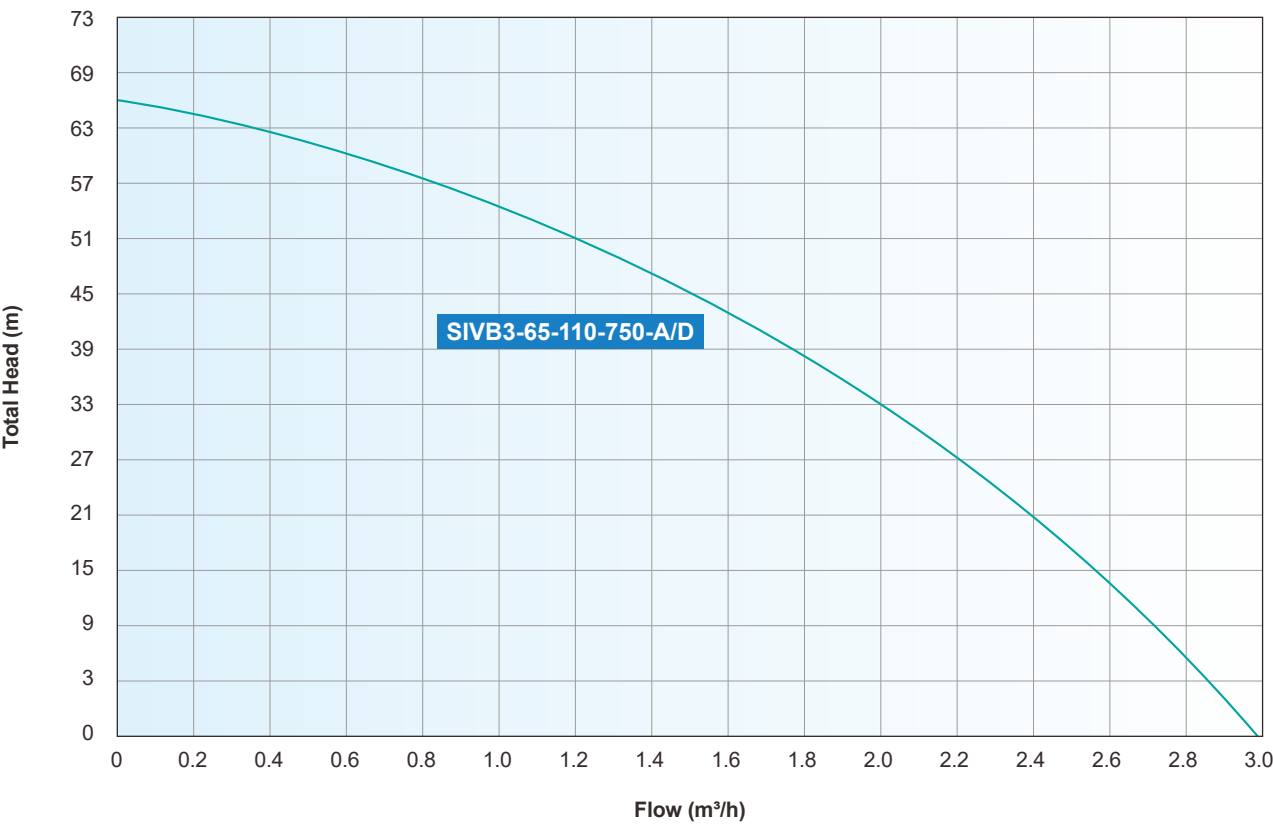
SIVB 3-65-110-750-A/D



Free Spare Parts

Please refer to page 61 of this manual

Hybrid AC/DC Solar Peripheral Pump



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SIVB3-65-110-750-A/D	750	80-280	90-430	3	65	1"x1"	2	<430	≥1.3*Pump Power

SIVC AC/DC SOLAR CENTRIFUGAL PUMP

VEICHI

Applications

- Transfer clean water or other liquids similar to water in physical and chemical properties
- Farm irrigation & Domestic water lifting for no electricity area
- Off grid solar irrigation system

Pump Features

- 100% Copper winding
- High efficiency PMSM brushless motor (PMSM: Permanent Magnet Synchronous Motor)
- High efficiency synchronous motor
- Cast iron pump body with e-coating treatment
- Brass impeller

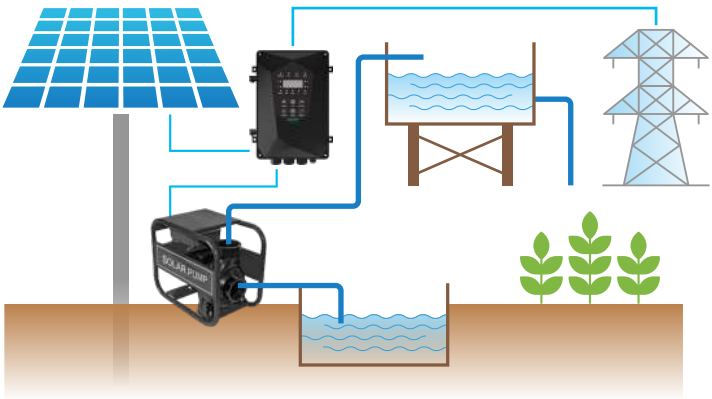
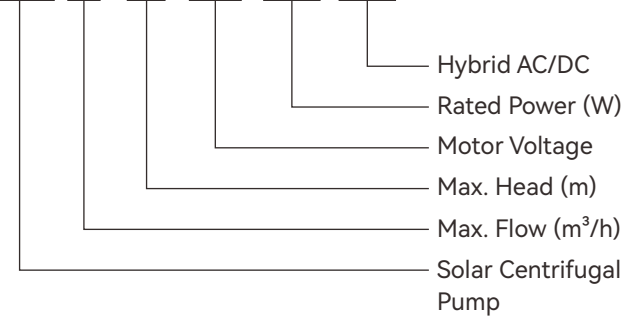
MPPT AC/DC Controller

- Can be used for both AC and DC power supply
- Ambient temperature: -15~60°C
- LED Displays working parameter & Fault code
- Soft start & Auto frequency conversion function
- Protection class: IP55



Identification Codes

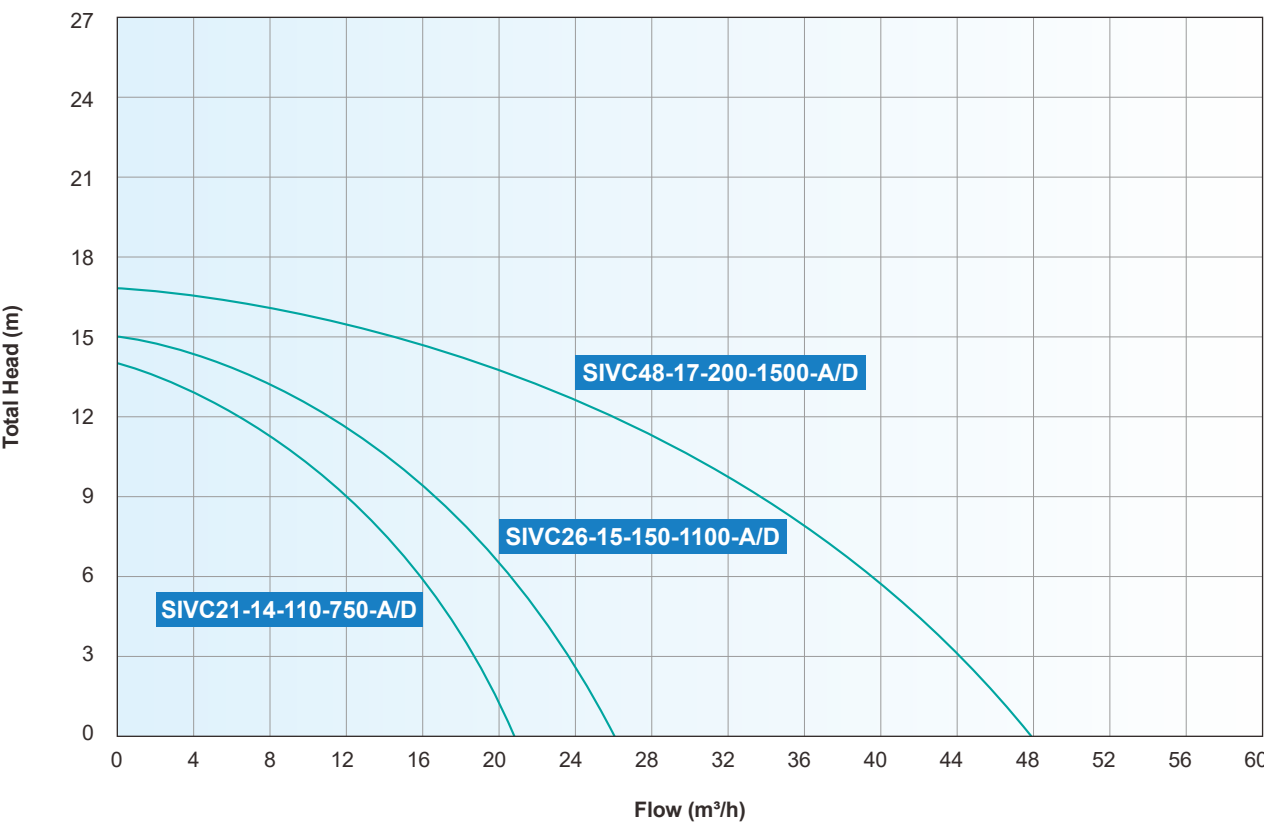
SIVC 21-14-110-750-A/D



Free Spare Parts

Please refer to page 62 of this manual

Hybrid AC/DC Solar Peripheral Pump



Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SIVC21-14-110-750-A/D	750	80-280	90-430	21	14	2"x2"	2	<430	≥1.3*Pump Power
SIVC26-15-150-1100-A/D	1100	80-280	90-430	26	15	2"x2"	2	<430	≥1.3*Pump Power
SIVC48-17-200-1500-A/D	1500	80-280	90-430	45	17	3"x3"	2	<430	≥1.3*Pump Power

SIVY AC/DC SOLAR SWIMMING POOL PUMP

Applications

- Designed for use in residential and commercial swimming pools and spas.
- In most pool applications all of the filtration needs can be met directly from solar panels.

Pump Features

- 100% Copper winding
- High efficiency PMSM brushless motor (PMSM: Permanent Magnet Synchronous Motor)
- High efficiency Synchronous Motor

MPPT AC/DC Controller

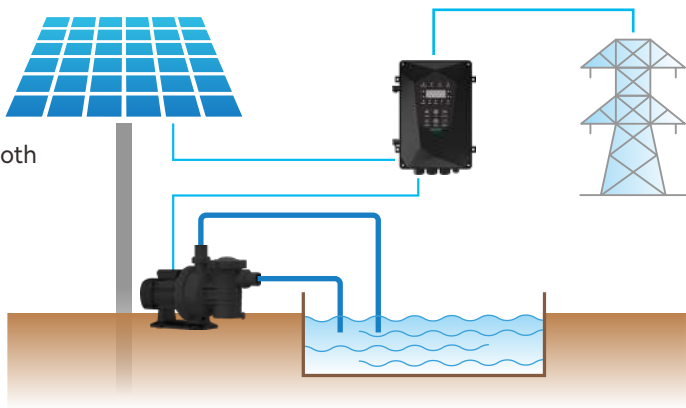
- Can be used for both AC and DC power supply
- Ambient temperature: -15 ~ 60 °C
- LED Displays working parameter & Fault code
- Soft start & Auto frequency conversion function
- Protection class: IP55



Identification Codes

SIVY 20-19-110-900-AD

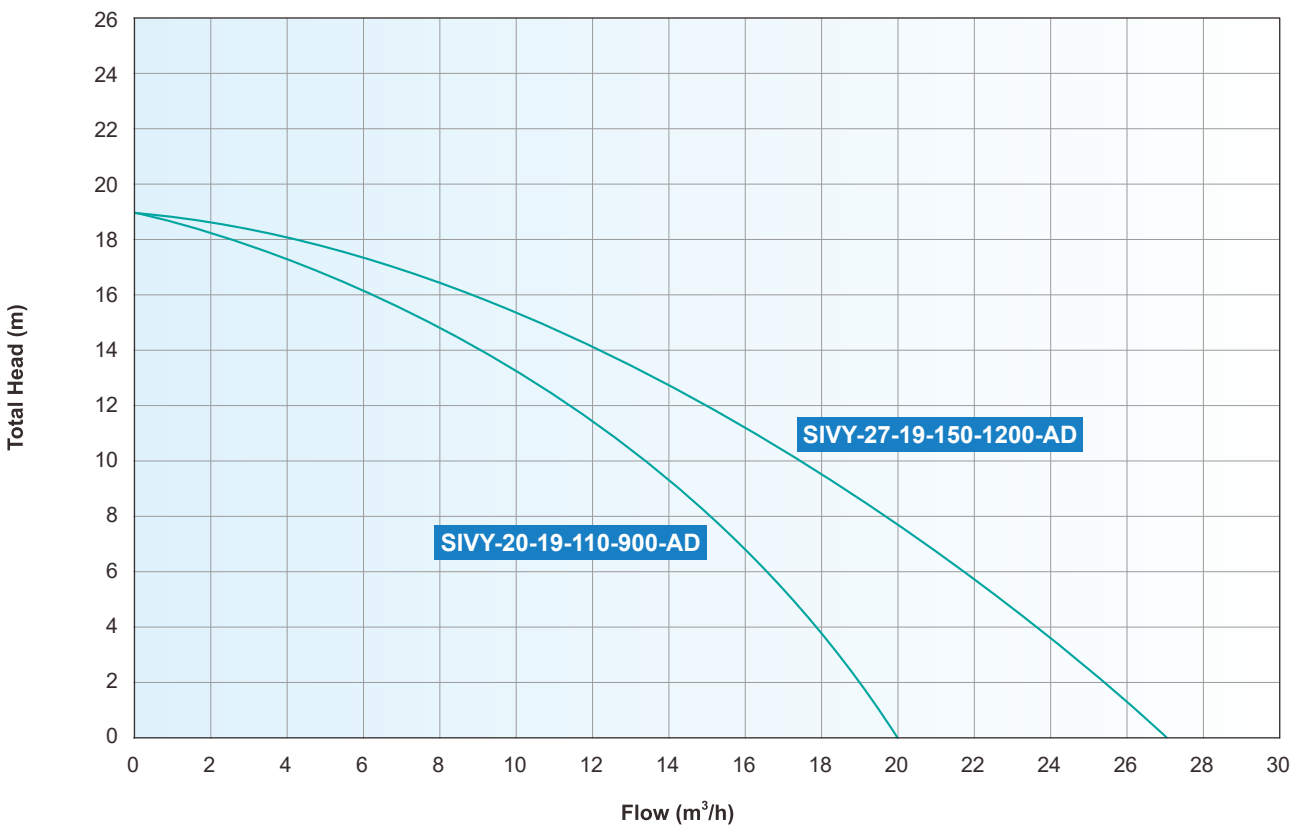
- Can be powered by both AC and DC power
- Rated Power (W)
- Motor Voltage
- Max. Head (m)
- Max. Flow (m³/h)
- LEO DC Solar Swimming Pool Pump



Free Spare Parts

Please refer to page 63 of this manual

Hybrid AC/DC Solar Swimming Pool Pump



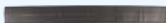
Technical Data

Model	Power (W)	AC Voltage (V)	DC Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Inlet/Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
SIVY20-19-110-900-AD	900	110-280	80-430	20	19	2"x2"	2	<430	≥1.3*Pump Power
SIVY27-19-150-1200-AD	1200	110-280	80-430	27	19	2"x2"	2	<430	≥1.3*Pump Power

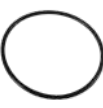
SIVG DC Solar Screw Pump

Picture	Name	Pieces	Picture	Name	Pieces
	Accessory box	1		BV cold pressed terminal	4
	Heat Shrink Tubing	1		RV cold pressed terminal	13
	High voltage self-adhesive tape	1		Stainless steel water tank float ball	1
	Insulation tape	1		Plastic water well float ball	1
	Raw material belt	1		Water outlet section	1
	Dual purpose detachable screwdriver	1		o-ring	1
	CR-V	1		Hose Clamp	1
	Stainless steel lock buckle	2		Cross groove flat head screw	4
	Oil resistant double wall heat shrink tubing	4		Spare fuses	1
	Type 1 hex nut	4		Spare screw	1
	socket head cap screw	4			

SIVP DC Solar Pump With Plastic Impeller

Picture	Name	Pieces	Picture	Name	Pieces
	Accessory box	1		socket head cap screw	4
	Heat Shrink Tubing	1		BV cold pressed terminal	4
	High voltage self-adhesive tape	1		RV cold pressed terminal	13
	Insulation tape	1		Stainless steel water tank float ball	1
	Raw material belt	1		Water outlet section	1
	Dual purpose detachable screwdriver	1		o-ring	1
	CR-V	1		Hose Clamp	1
	Stainless steel lock buckle	2		Cross groove flat head screw	4
	Oil resistant double wall heat shrink tubing	4		Spare fuses	1
	Type 1 hex nut	4			

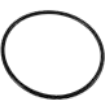
SIVP AC/DC Solar Pump With Plastic Impeller

Picture	Name	Pieces	Picture	Name	Pieces
	Accessory box	1		Type 1 hex nut	4
	Heat Shrink Tubing	1		socket head cap screw	4
	High voltage self-adhesive tape	1		BV cold pressed terminal	4
	Insulation tape	1		RV cold pressed terminal	13
	Raw material belt	1		Stainless steel water tank float ball	1
	Dual purpose detachable screwdriver	1		Water outlet section	1
	CR-V	1		o-ring	1
	Stainless steel lock buckle	2		Hose Clamp	1
	Oil resistant double wall heat shrink tubing	4			

SIVS DC Solar Pump With SS Impeller

Picture	Name	Pieces	Picture	Name	Pieces
	Accessory box	1		socket head cap screw	4
	Heat Shrink Tubing	1		BV cold pressed terminal	4
	High voltage self-adhesive tape	1		RV cold pressed terminal	13
	Insulation tape	1		Stainless steel water tank float ball	1
	Raw material belt	1		Water outlet section	1
	Dual purpose detachable screwdriver	1		o-ring	1
	CR-V	1		Hose Clamp	1
	Stainless steel lock buckle	2		Cross groove flat head screw	4
	Oil resistant double wall heat shrink tubing	4		Spare fuses	1
	Type 1 hex nut	4			

SIVS AC/DC Solar Pump With SS Impeller

Picture	Name	Pieces	Picture	Name	Pieces
	Accessory box	1		Type 1 hex nut	4
	Heat Shrink Tubing	1		socket head cap screw	4
	High voltage self-adhesive tape	1		BV cold pressed terminal	4
	Insulation tape	1		RV cold pressed terminal	13
	Raw material belt	1		Stainless steel water tank float ball	1
	Dual purpose detachable screwdriver	1		Water outlet section	1
	CR-V	1		o-ring	1
	Stainless steel lock buckle	2		Hose Clamp	1
	Oil resistant double wall heat shrink tubing	4			

SIVB DC Solar Peripheral Pump

Picture	Name	Pieces	Picture	Name	Pieces
	Accessory box	1		socket head cap screw	4
	Heat Shrink Tubing	1		BV cold pressed terminal	4
	High voltage self-adhesive tape	1		RV cold pressed terminal	13
	Insulation tape	1		Stainless steel water tank float ball	1
	Raw material belt	1		Water outlet section	2
	Dual purpose detachable screwdriver	1		o-ring	2
	CR-V	1		Hose Clamp	2
	Stainless steel lock buckle	2		Hose Clamp	1
	Oil resistant double wall heat shrink tubing	4		Cross groove flat head screw	4
	Type 1 hex nut	4		Spare fuses	1

SIVC DC Solar Centrifugal Pump

Picture	Name	Pieces	Picture	Name	Pieces
	Accessory box	1		socket head cap screw	4
	Heat Shrink Tubing	1		BV cold pressed terminal	4
	High voltage self-adhesive tape	1		RV cold pressed terminal	13
	Insulation tape	1		Stainless steel water tank float ball	1
	Raw material belt	1		Water outlet section	2
	Dual purpose detachable screwdriver	1		o-ring	2
	CR-V	1		Hose Clamp	2
	Stainless steel lock buckle	2		Hose Clamp	1
	Oil resistant double wall heat shrink tubing	4		Cross groove flat head screw	4
	Type 1 hex nut	4		Spare fuses	1

SIVY DC Solar Swimming Pool Pump

Picture	Name	Pieces	Picture	Name	Pieces
	Accessory box	1		Oil resistant double wall heat shrink tubing	4
	Heat Shrink Tubing	1		Type 1 hex nut	4
	High voltage self-adhesive tape	1		socket head cap screw	4
	Insulation tape	1		BV cold pressed terminal	4
	Raw material belt	1		RV cold pressed terminal	13
	Dual purpose detachable screwdriver	1		Water outlet section	2
	CR-V	1		Cross groove flat head screw	4
	Stainless steel lock buckle	2		Spare fuses	1

SIVB AC/DC Solar Peripheral Pump

Picture	Name	Pieces	Picture	Name	Pieces
	Accessory box	1		Type 1 hex nut	4
	Heat Shrink Tubing	1		socket head cap screw	4
	High voltage self-adhesive tape	1		BV cold pressed terminal	4
	Insulation tape	1		RV cold pressed terminal	13
	Raw material belt	1		Stainless steel water tank float ball	1
	Dual purpose detachable screwdriver	1		Water outlet section	2
	CR-V	1		o-ring	2
	Stainless steel lock buckle	2		Hose Clamp	2
	Oil resistant double wall heat shrink tubing	4		Hose Clamp	1

SIVC AC/DC Solar Centrifugal Pump

Picture	Name	Pieces	Picture	Name	Pieces
	Accessory box	1		Type 1 hex nut	4
	Heat Shrink Tubing	1		socket head cap screw	4
	High voltage self-adhesive tape	1		BV cold pressed terminal	4
	Insulation tape	1		RV cold pressed terminal	13
	Raw material belt	1		Stainless steel water tank float ball	1
	Dual purpose detachable screwdriver	1		Water outlet section	2
	CR-V	1		o-ring	2
	Stainless steel lock buckle	2		Hose Clamp	2
	Oil resistant double wall heat shrink tubing	4		Hose Clamp	1

SIVY AC/DC Solar Swimming Pool Pump

Picture	Name	Pieces	Picture	Name	Pieces
	Accessory box	1		Stainless steel lock buckle	2
	Heat Shrink Tubing	1		Oil resistant double wall heat shrink tubing	4
	High voltage self-adhesive tape	1		Type 1 hex nut	4
	Insulation tape	1		socket head cap screw	4
	Raw material belt	1		BV cold pressed terminal	4
	Dual purpose detachable screwdriver	1		RV cold pressed terminal	13
	CR-V	1		Water outlet section	2

R&D and Manufacturing

R&D Capacity

- > Excellent professional and technical talents in the field of industrial control in China have gathered in VEICHI with R&D personnel accounting for 35.76% of the total employees, while technical personals with bachelor's degrees or above for 74.69%.
- > VEICHI is always committed to providing customers with stable and trustworthy products and technical services in accordance to the research and development concept of "strive for excellence by innovating technologies".
- > Annual R&D investment of accounts for about 10% of the whole revenue. EMC laboratory, safety laboratory, reliability laboratory, product performance testing laboratory and a number of experimental platforms for multiple industrial applications are established successively.
- > In-depth cooperation with many famous universities and research institutions in China has been established and "Jiangsu Postdoctoral Innovation Practice Base" and "Jiangsu Postgraduate Workstation" set up successively.

Intelligent Automation Production

- > Products are based on digital technologies from the beginning of product development, to production programming and then production, that is the whole production cycle, with an annual output up to 1367500 units.
- > 5 fully imported MT high-speed chip mounting lines, 5 automatic coating lines, 4 DIP testing lines, 1 automated line equipped with robotic arms, 12 production lines ensure production of all of the VEICEHI products.
- > All of the products are checked by the quality management mode of 3 (tri-inspection system)+ 1(proportional inspection) during the whole process, and all of them are carried out automatically so as to ensure the performance.
- > Three major production management system WMS, MES and ERP together ensure that the unique code of each product is traceable in the system to manage product quality.

