

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 AIS1304 screw with higher efficiency
- AIS1304 oil chamber and pump barrel
- NSK bearing
- Efficient PMSM brushless motor
(PMSM: Permanent Magnet Synchronous Motor)

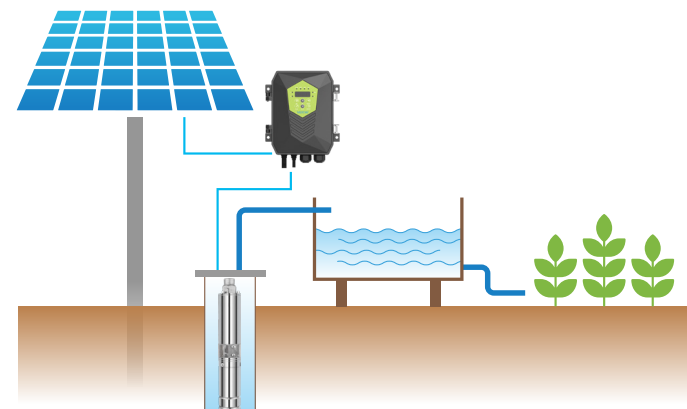
MPPT DC Controller

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

Identification Codes

SIVP 5 - 45 - 48 - 500

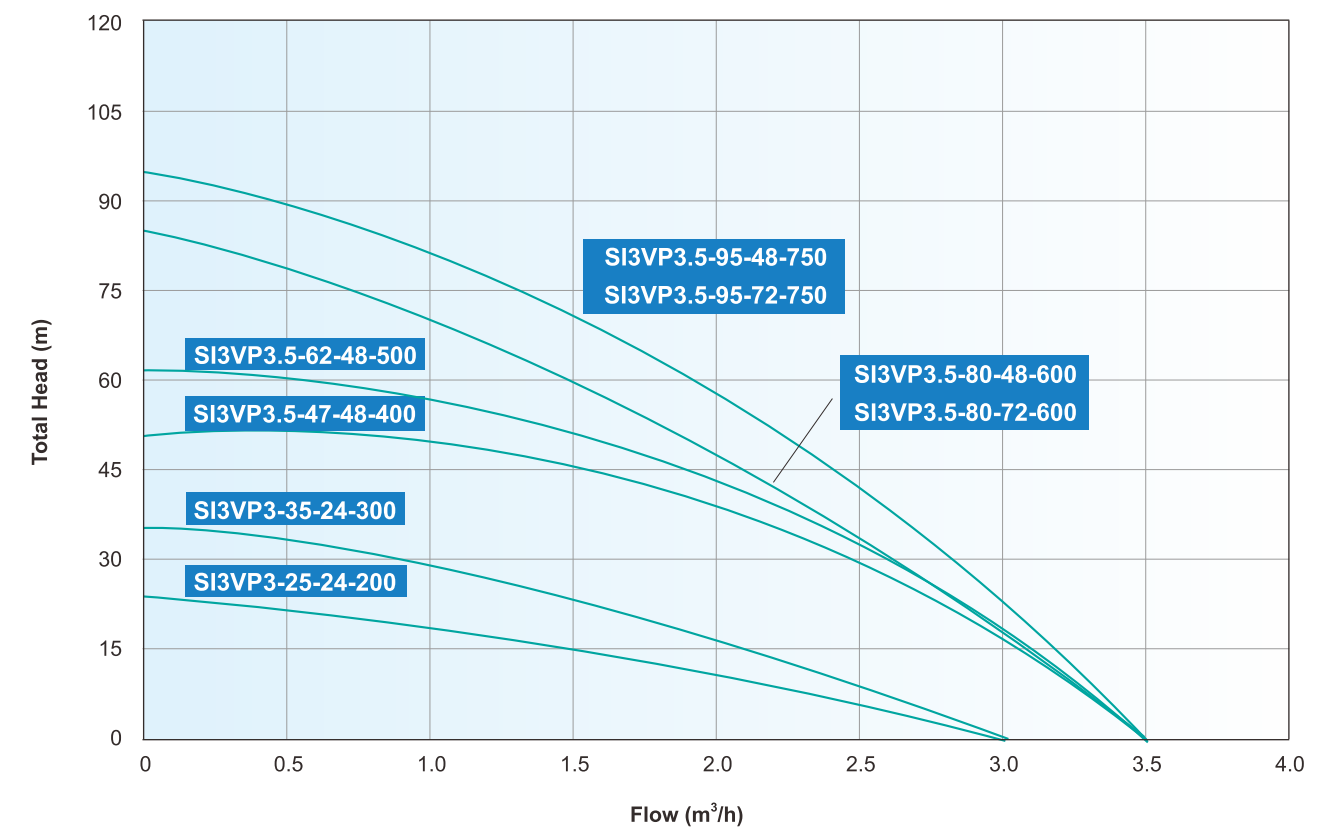
- Rated Power (W)
- Motor Voltage
- Max. Head (m)
- Max. Flow (m³/h)
- 3 Inch DC Plastic Impeller Borehole Pump



FREE SPARE PARTS



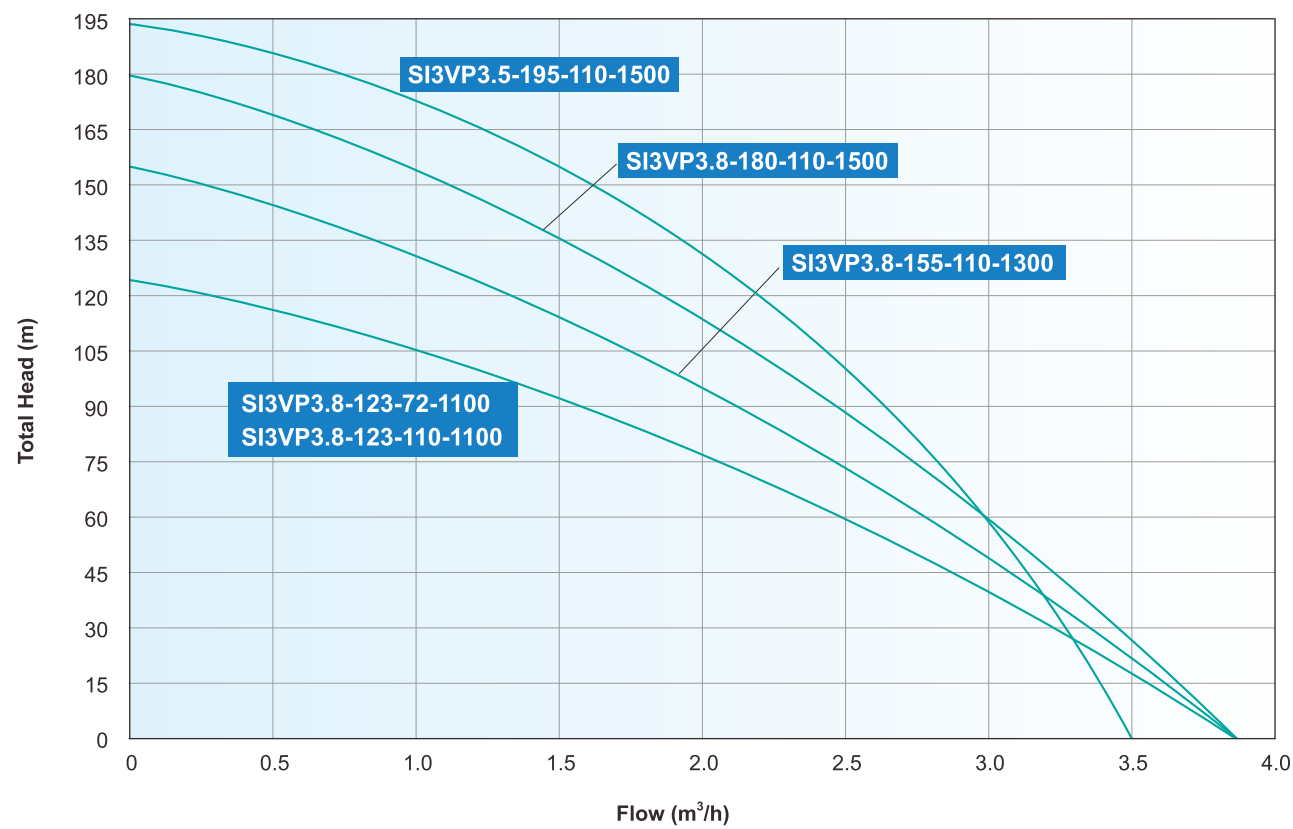
3" DC Solar Pump with Plastic Impeller



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

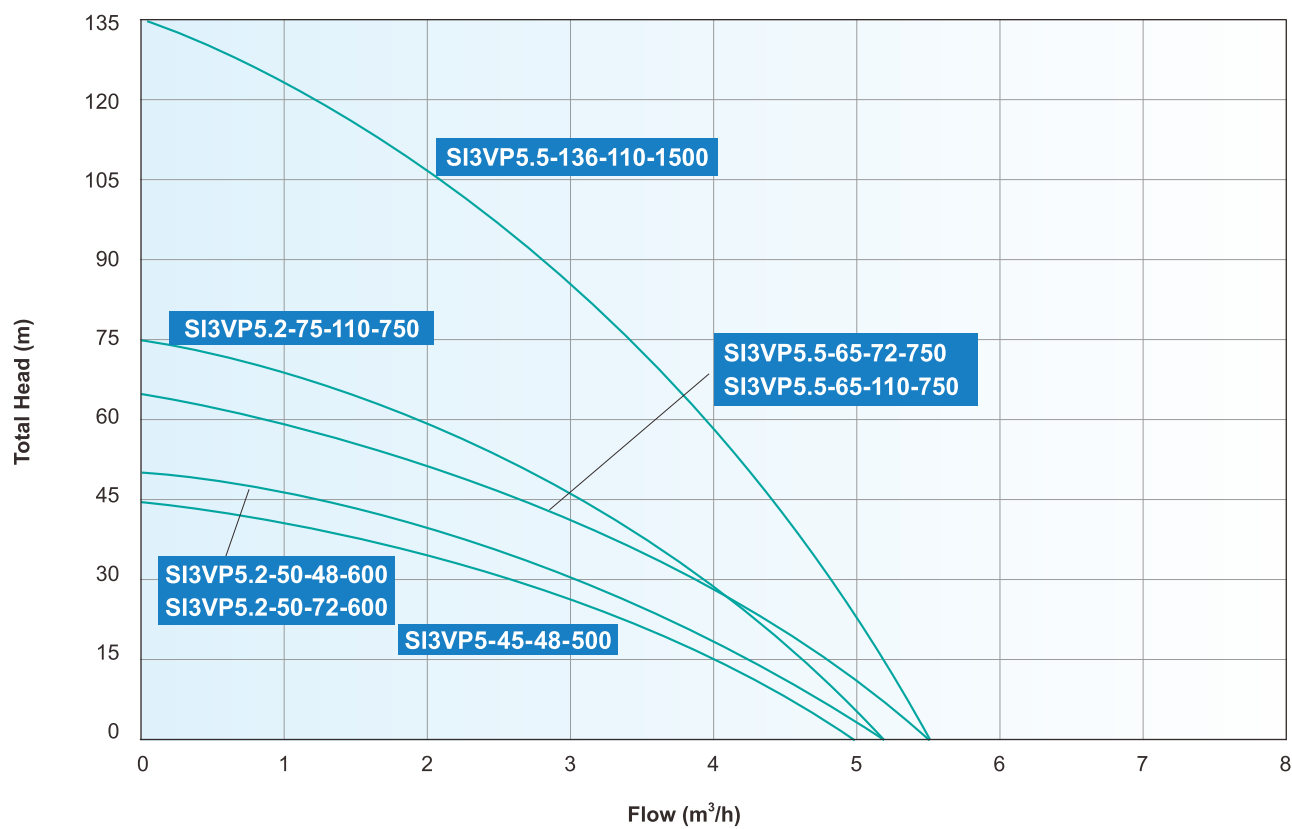
3" DC Solar Pump with Plastic Impeller



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

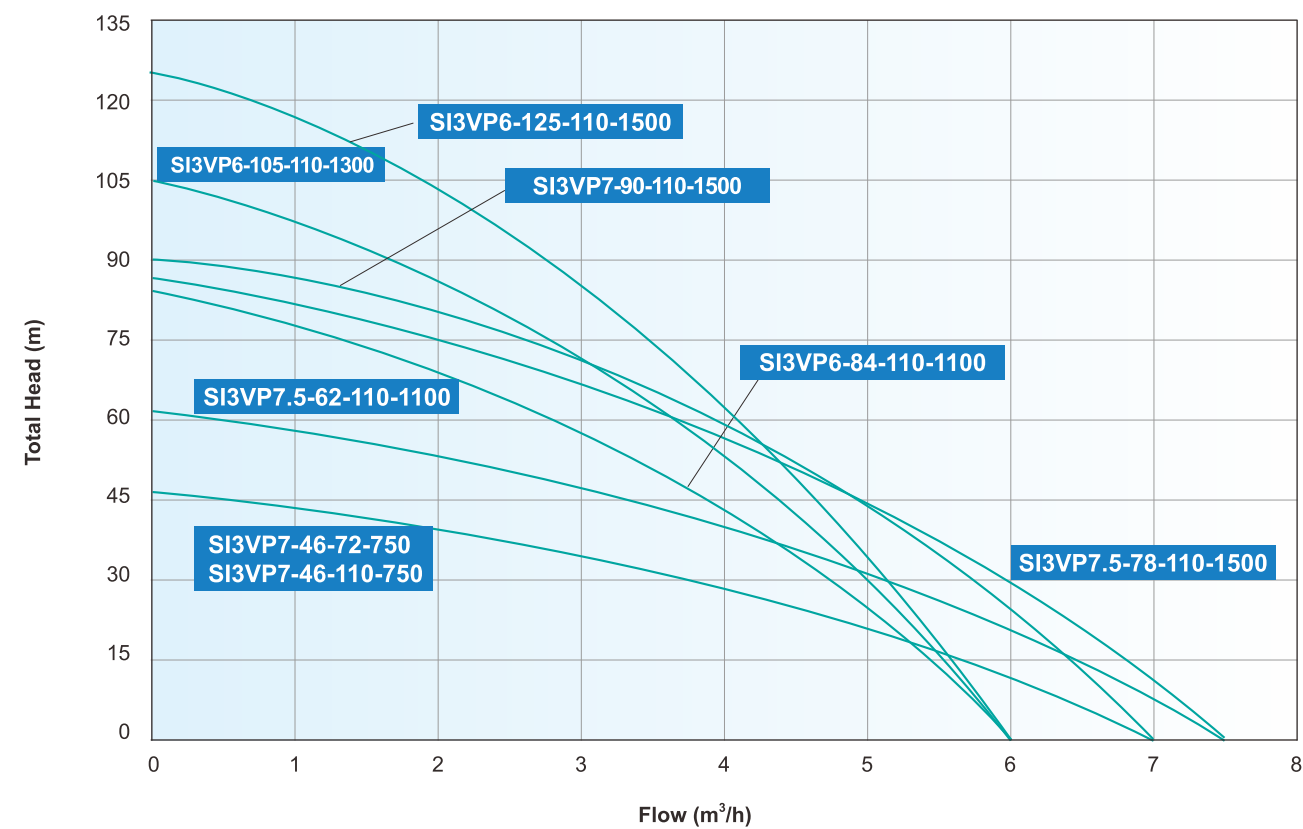
3" DC Solar Pump with Plastic Impeller



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

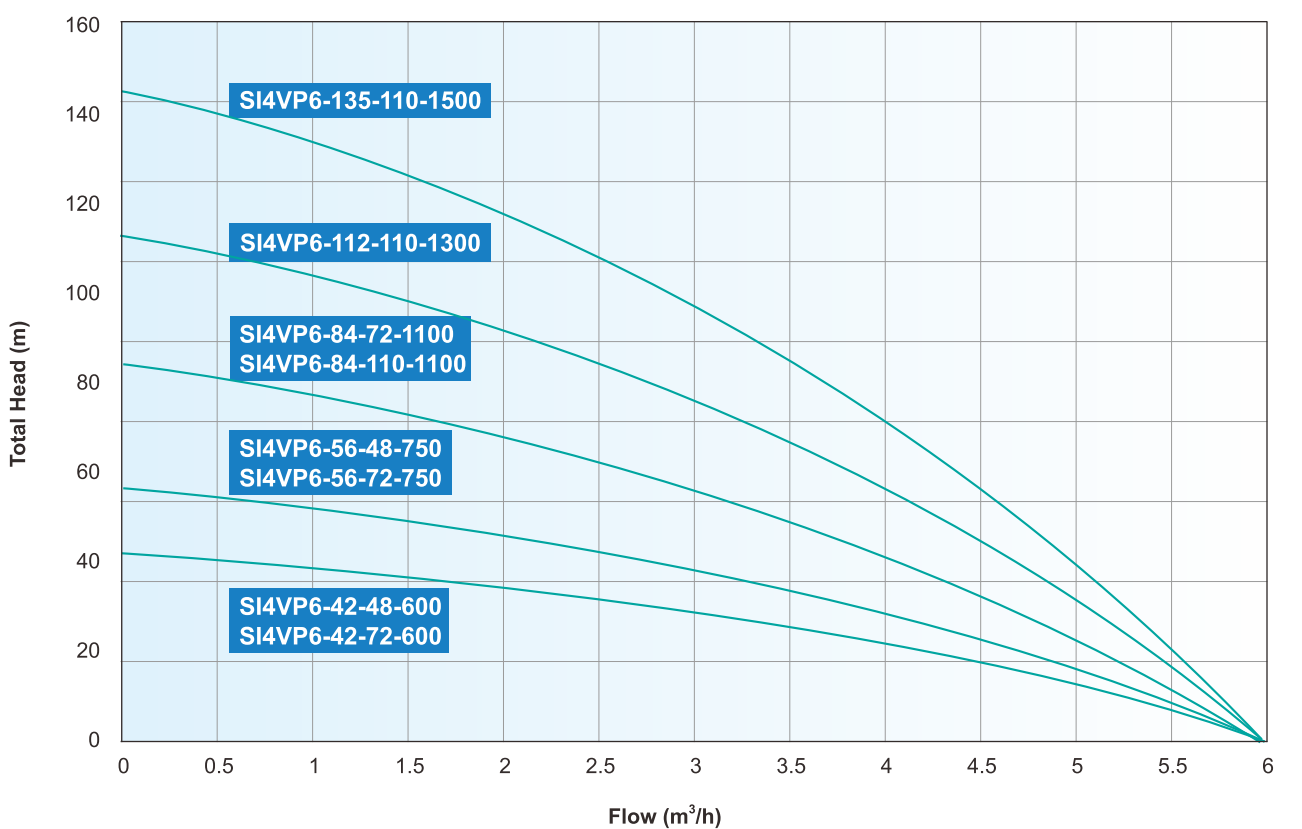
3" DC Solar Pump with Plastic Impeller



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

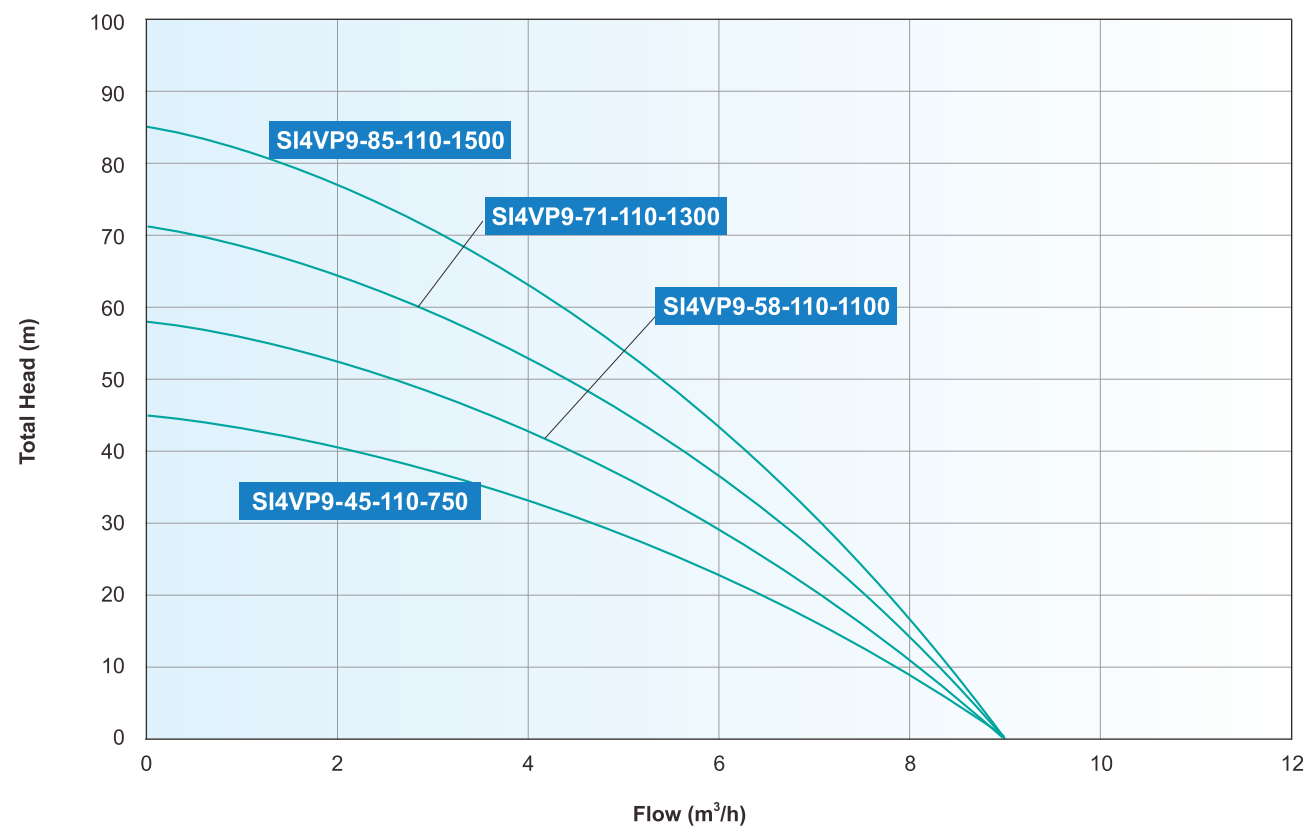
4" DC Solar Pump with Plastic Impeller



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

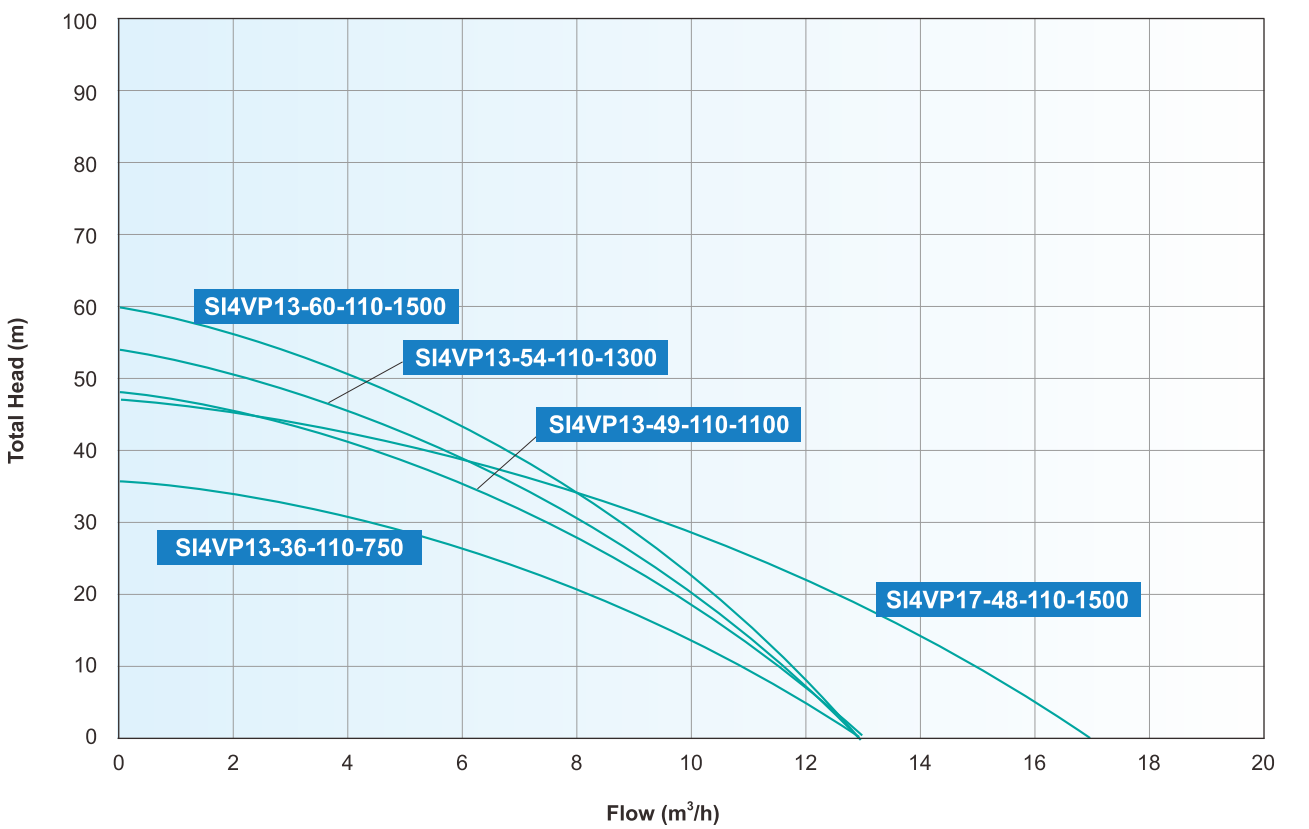
4" DC Solar Pump with Plastic Impeller



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

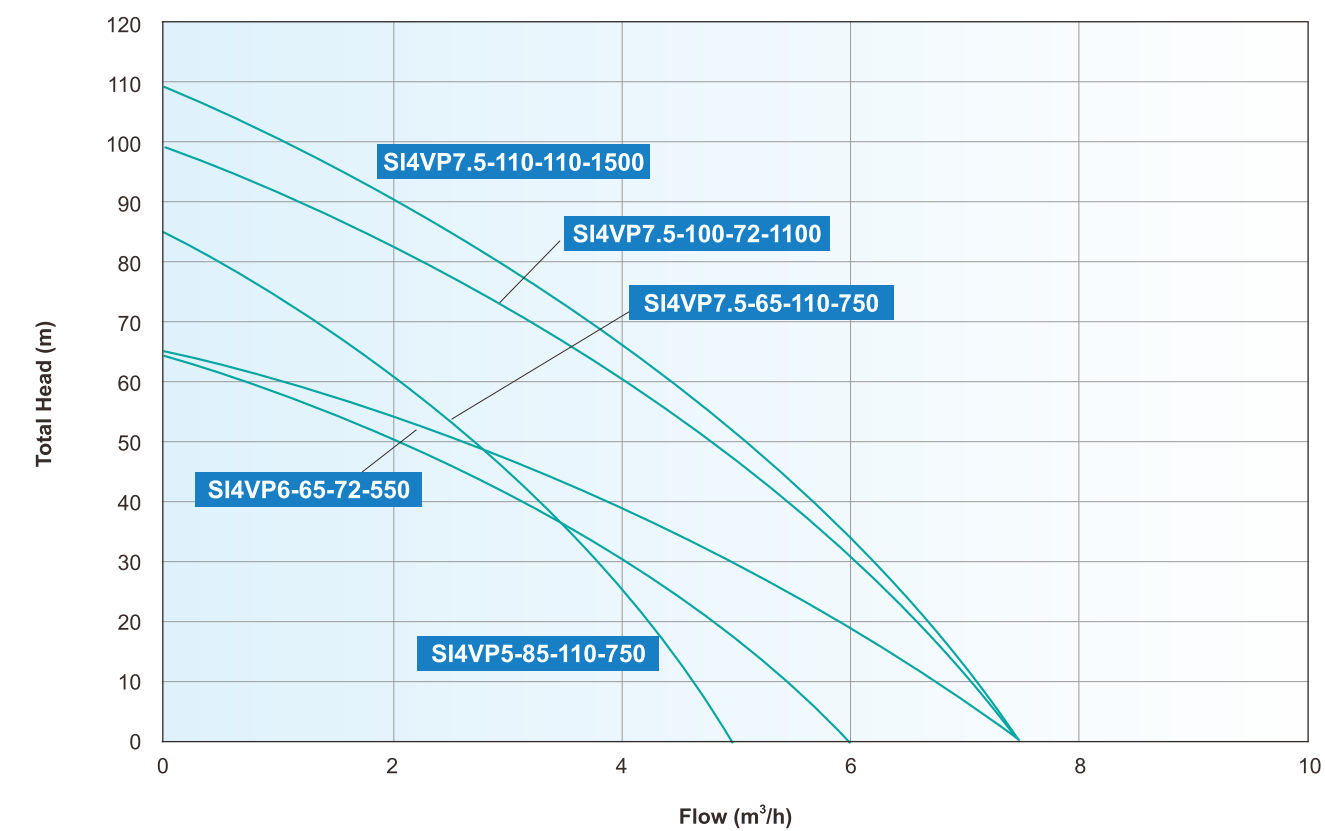
4" DC Solar Pump with Plastic Impeller



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

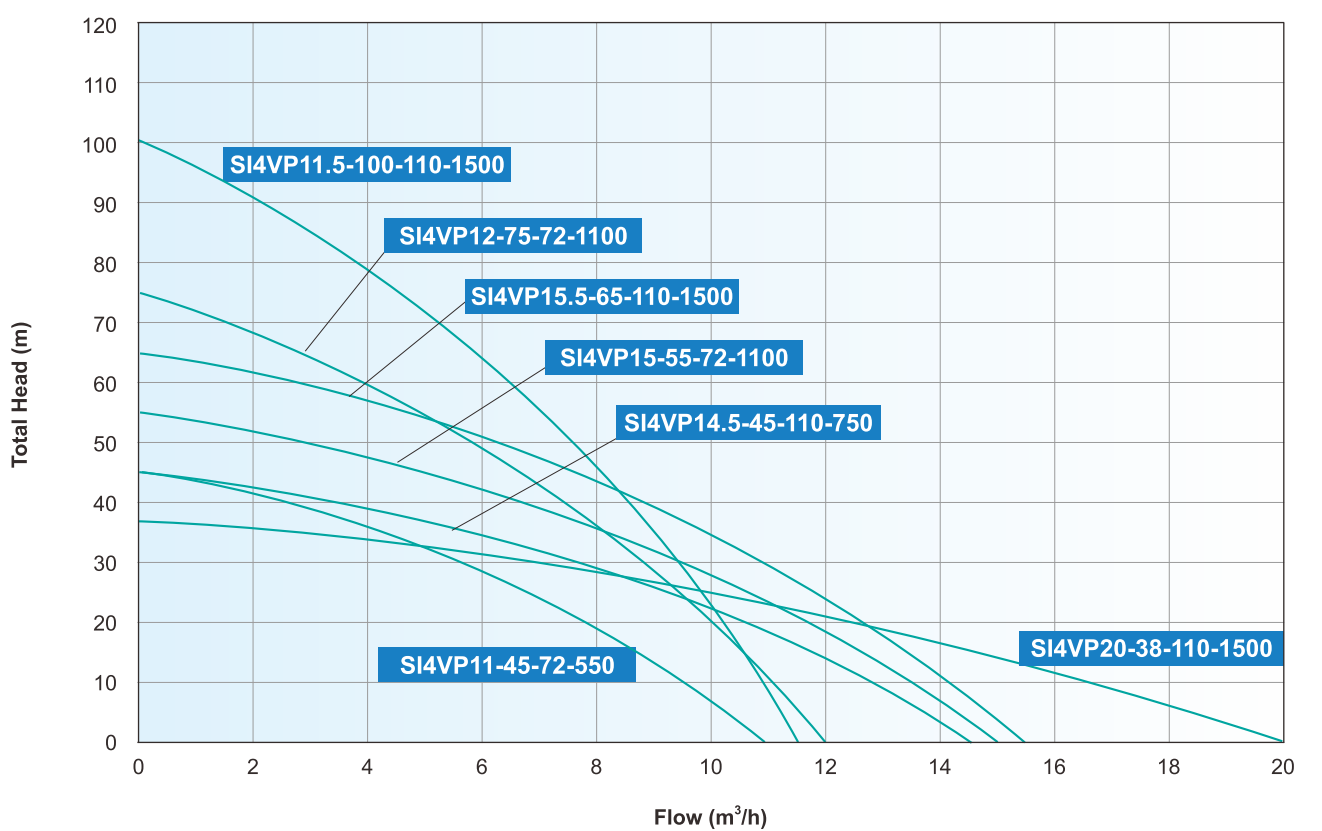
4" DC Solar Pump with Plastic Impeller



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