

SIVS DC SOLAR PUMP WITH SS 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
- Efficient PMSM brushless motor
- (PMSM: Permanent Magnet Synchronous Motor)

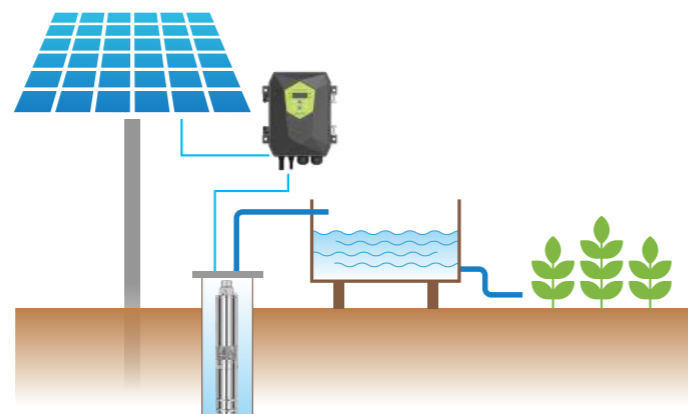
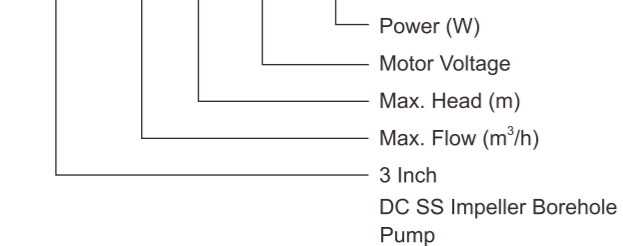
MPPT DC Controller

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



Identification Codes

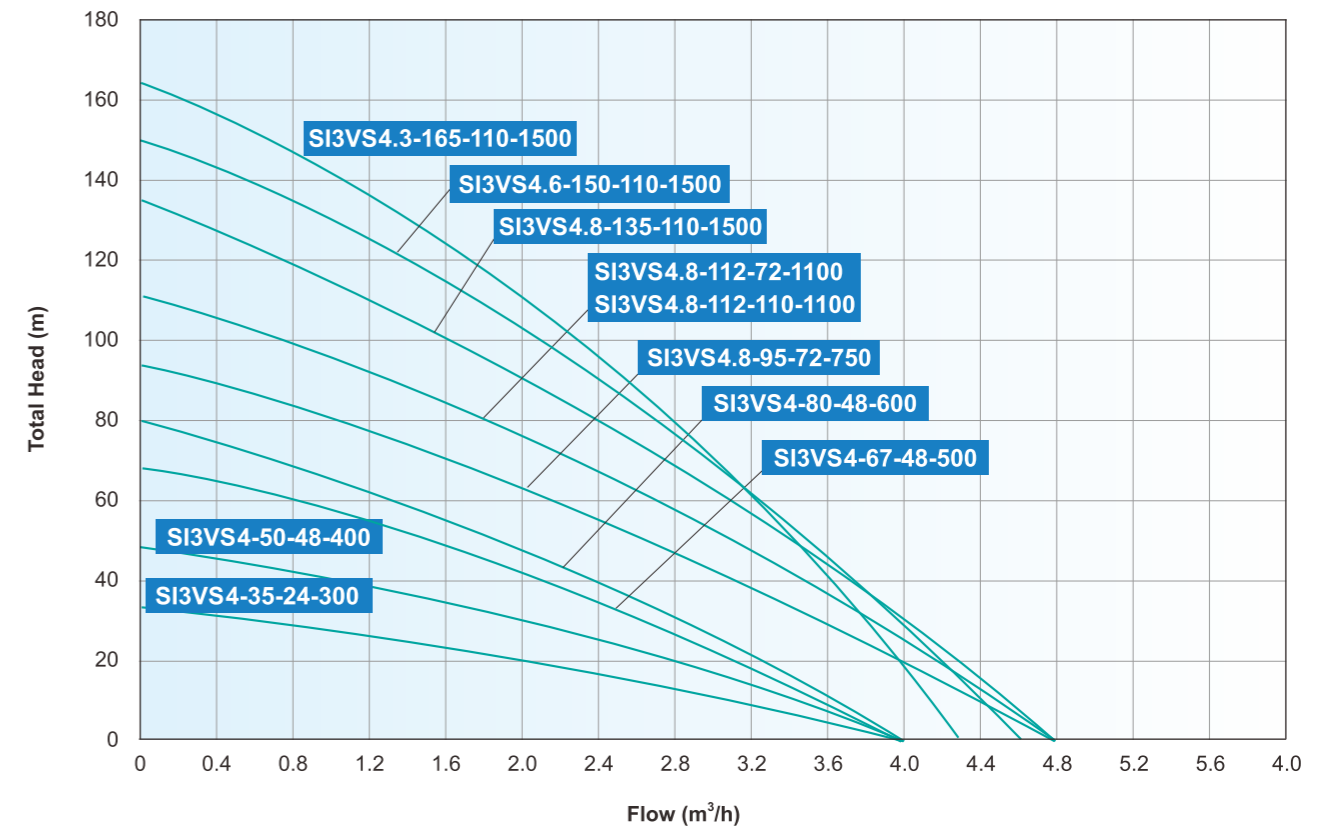
SIVS 4 - 35 - 24 - 300



Free Spare Parts

Please refer to page 56 of this manual

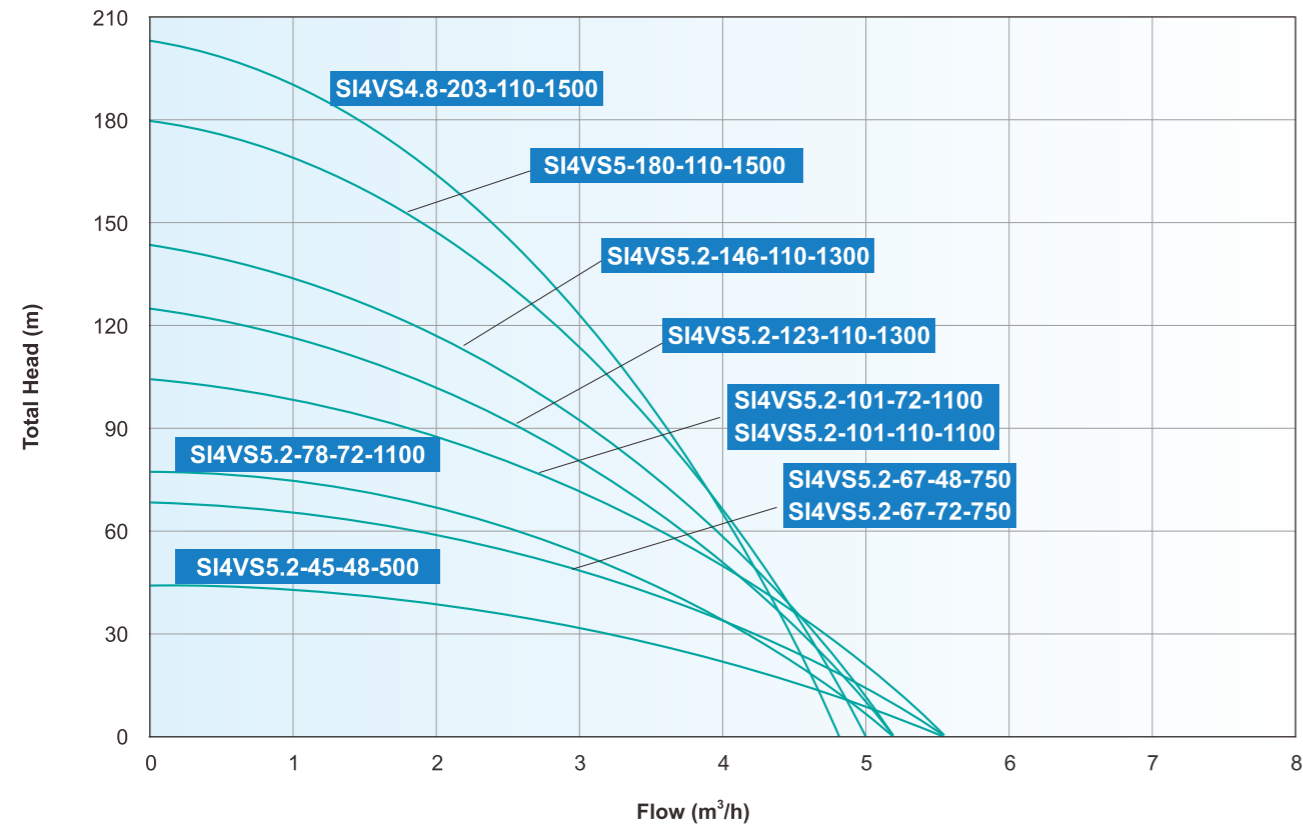
3" DC Solar Pump with SS Impeller



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

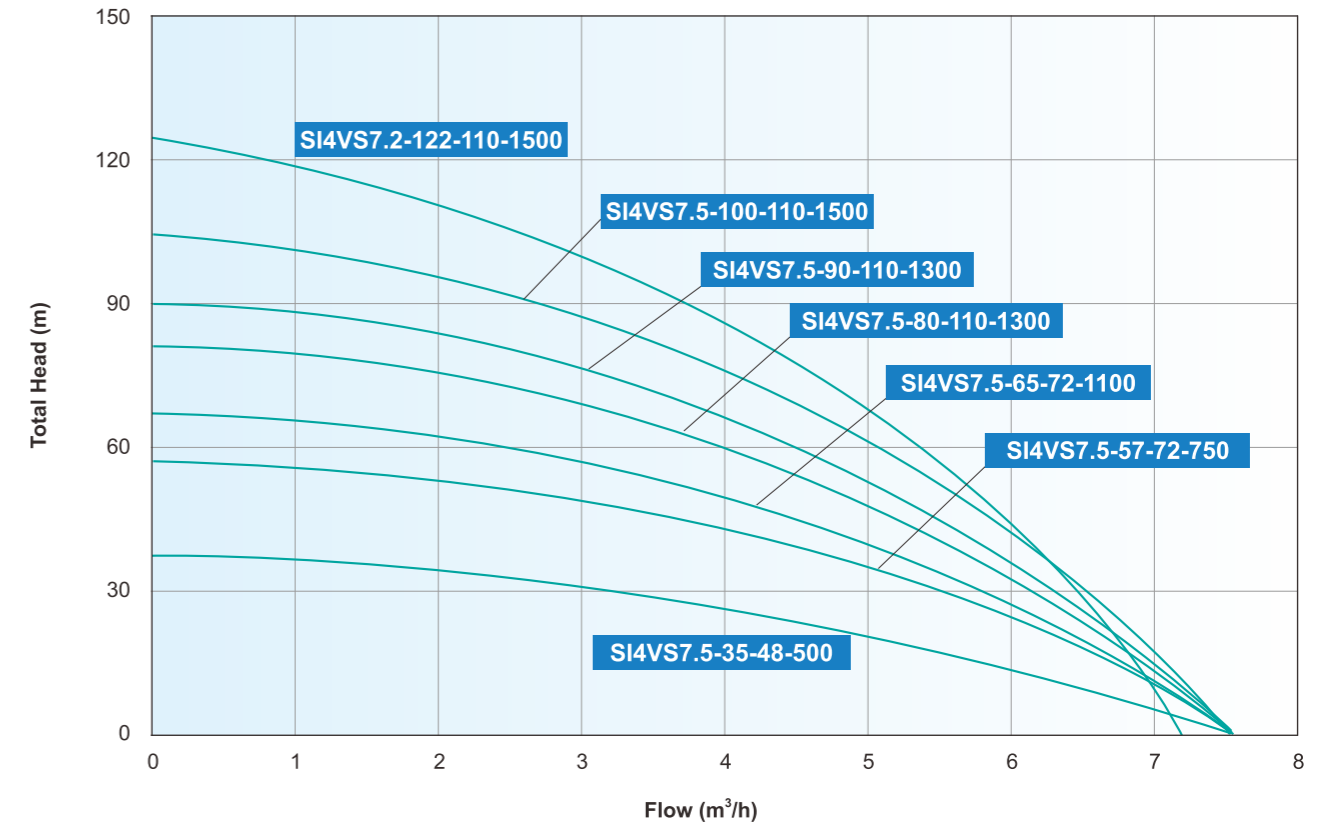
4" DC Solar Pump with SS Impeller



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

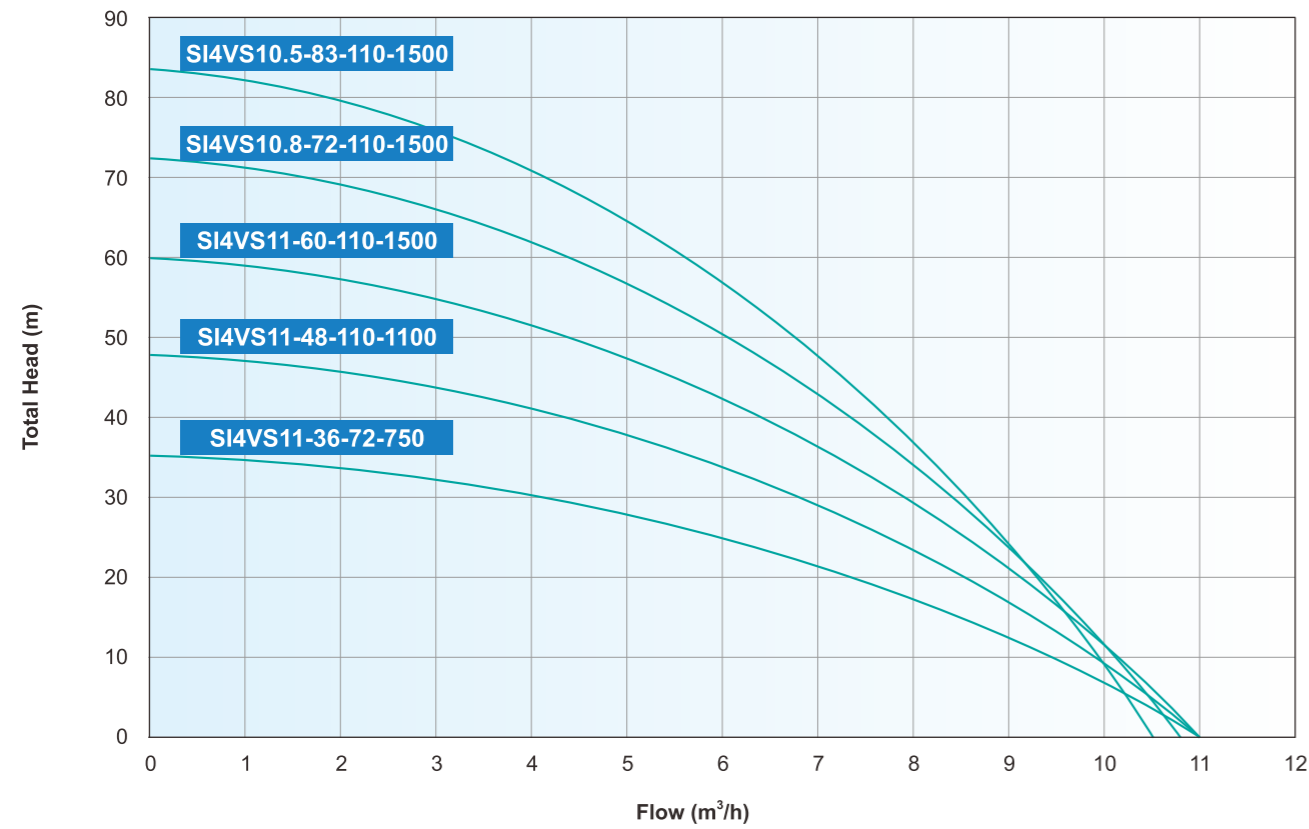
4" DC Solar Pump with SS Impeller



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

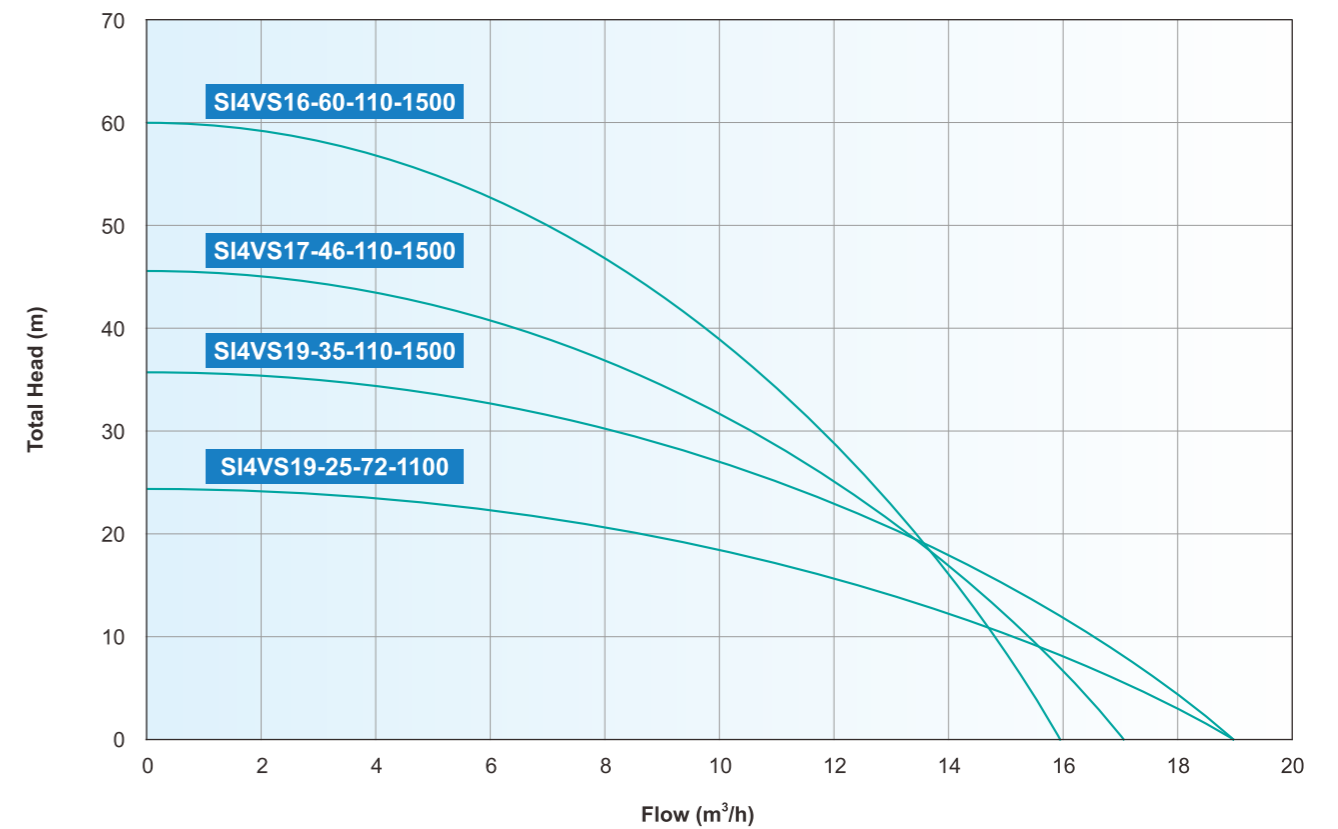
4" DC Solar Pump with SS Impeller



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