

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)

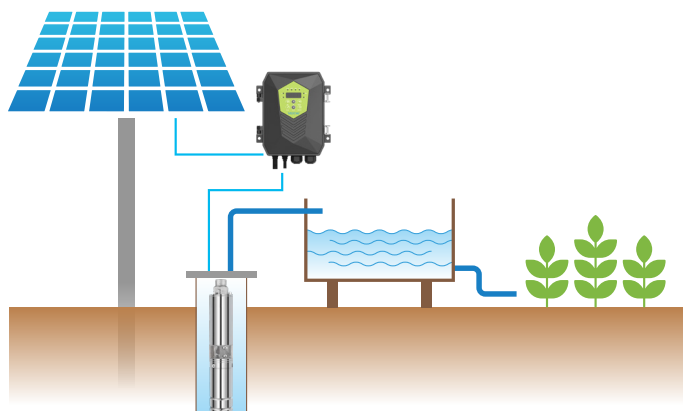
MPPT DC Controller

- Protection class: IP55
- Ambient temperature: $-15\sim 60^{\circ}\text{C}$
- 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 (m^3/h)
- 3 Inch DC Screw Pump



Screw



NSK bearing



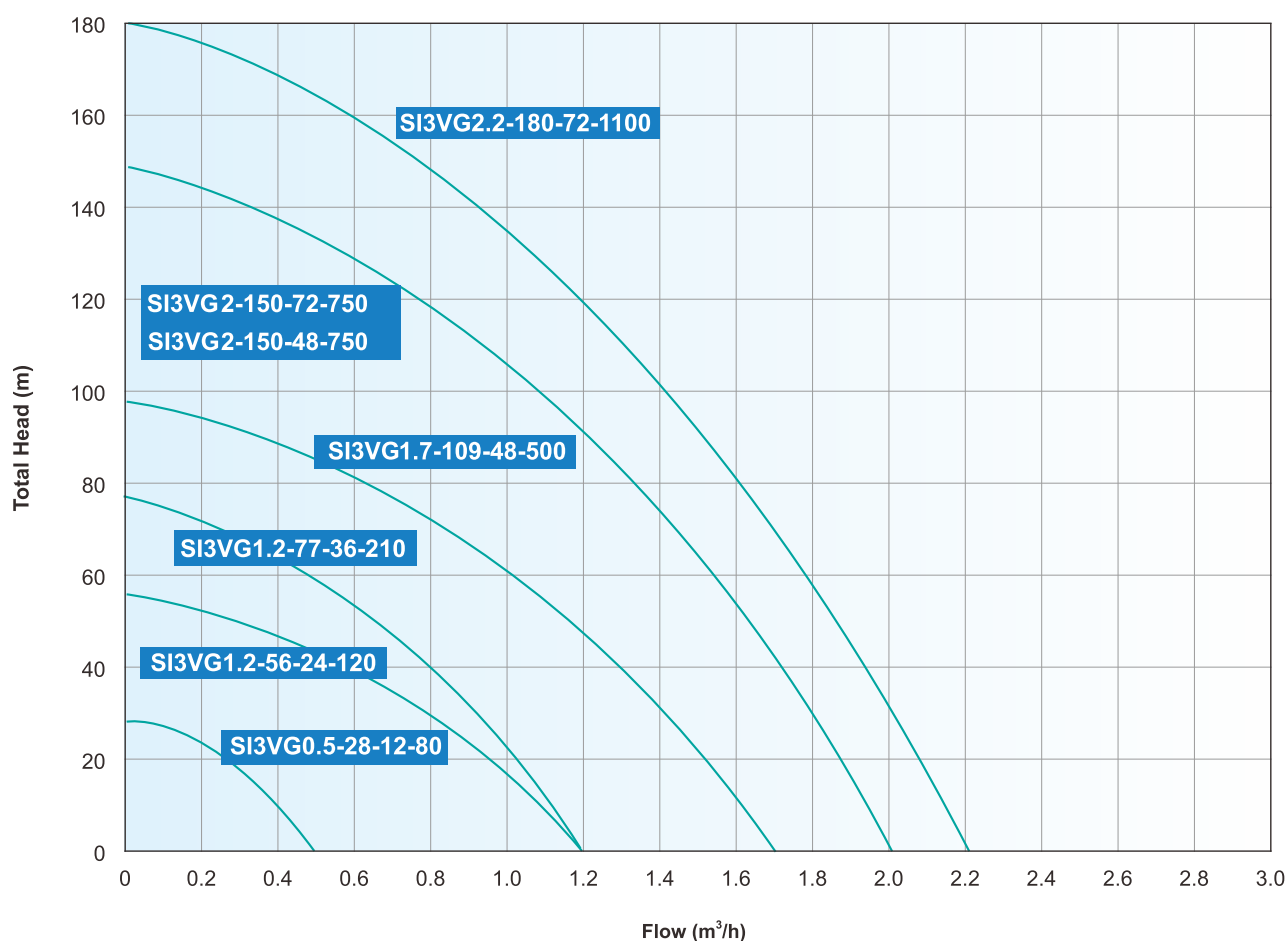
Stainless steel
oil cylinder



FREE SPARE PARTS



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	¾"	2	< 50	≥1.3*Pump Power
SI3VG1.2-56-24-120	120	24	30-48	1.2	56	¾"	2	< 55	≥1.3*Pump Power
SI3VG1.2-77-36-210	210	36	30-48	1.2	77	¾"	2	< 55	≥1.3*Pump Power
SI3VG1.7-109-48-500	500	48	60-90	1.7	109	¾"	2	< 105	≥1.3*Pump Power
SI3VG2-150-48-750	750	48	60-90	2	150	¾"	2	< 105	≥1.3*Pump Power
SI3VG2-150-72-750	750	72	90-120	2	150	¾"	2	< 160	≥1.3*Pump Power
SI3VG2.2-180-72-1100	1100	72	90-120	2.2	180	¾"	2	< 160	≥1.3*Pump Power