



SUNLIT

How it Works?

PV arrays absorb sunlight radiation energy, convert it into electricity. Pumping inverter control and regulate the operation of the System. It transforms DC power generated by PV arrays into 3-phase AC power, and then drives the submersible pump. In accordance with changes of real-time solar radiation intensity, the inverter can adjust the output frequency, to achieve the Maximum Power Point Tracking function (MPPT).

PUMP INVERTER



FOCUSUN ENERGY SYSTEMS

(An ISO Certified Company)
Coimbatore - 641 014, INDIA.
+91 422 2591069, 2572237
+91 98422 91069
info@focusunsolar.com

SOLAR WATER PUMP

Sunlit Solar is an experienced solution provider for Solar pumping systems. Pumping water is in great demand by farmers or in remote areas where there is no power grid systems. It is one of the sensible and effective uses of solar electric power. With our engineering expertise, Sunlit Solar is ready to take on your water pumping needs, with the use of green energy and affordable cost. Solar PV pumping systems are widely used in remote areas and islands for water supply, agriculture irrigation, they can also be used in industry, agriculture industry, and water treatment works. The PV pumping system consists of solar panel array, an inverter PCU and submersible pump. And solar pumping inverter PCU is the controlling center.



Available Models

Model	3 HP	5 HP	7.5 HP	10 HP
Watts of Module	3000 W	5000 W	7500 W	10000 W
Pump Inverter	2.2 KW	3 KW	5 KW	7.5 KW
Module Type	Poly Crystalline IEC Certified			
Connector	MC-4 Connectors			
Mounting Structure	Mild Steel with Automatic Painted			

Technical Data

Motor Pump	2.2kw / 3 hp / 400v	3kw / 5 hp / 400v	5kw / 7.5 hp / 400v	7.5kw / 10 hp / 400v
VFD Capacity	2.2kv / 400v	3kv / 400v	5kv / 400v	7.5kv / 400v
AMPS	7 AMPS	10 AMPS	13 AMPS	18 AMPS
Operating DC Voltage	500 - 800v DC			
Recommended PV Rating	700v DC			
Output Voltage	400 - 440v - AC			
Output Frequency	0-60 HZ			
Ambient Temperature	0-70° C			
Protection	Overload, Over Temperature, Over Voltage, Under Voltage			
Efficiency	Above 95%			
Display	Digital Display is Easy to operate			
	Automatic Start and Stop with Solar Radiation			