

## INFYSUN SOLAR PUMPING SYSTEM

Infysun Solar pumping system works with regular, Mono bloc Pump, Submersible pump & DC Pump. It works during the day-time when solar radiation is available. No need for battery backup, and manual intervention not required for operating the pump.

Infysun unique pump controller which extracts maximum power out of solar panels protects through use of a VFD, ensures high starting torque while keeping starting currents within limits. This is achieved by V/F motor control. Speed of motor is automatically adjusted as per max available power from panels. Inherently safe, due to current limiting nature of PV panels .

Can be used in Agriculture Irrigation Pumps, Rural and Remote Drinking Water Supply. Industrial and Domestic Water Pumping Systems, Sprinklers etc. Environment Friendly, Noiseless, High Reliability, Low Maintenance, Long Life, No Fuel/Electricity Cost & Improved Technology for operation even in low sunlight condition. In addition pumping system has Protection Features like Dry-running, Overload, Over temperature, Overvoltage, Under-voltage.

## Key Components of a Solar Pumping System

- Mono bloc / Submersible Pump / DC Pump
- Variable Frequency Drive Set • Solar

### Photovoltaic Modules

- Solar Panel Mounting Structure - Fixed / Single Axis Tracking (Automatic), Portable type
- Foundation for Solar Panel Mounting Structure
- Pipes, A/C Shielded Cables, DC Cables, Connectors, Earthing Kit.



**MNRE  
Approved &  
Bank loan is  
Available**

# INFYSUN SOLAR PUMP DATA SHEET



MODEL	3Hp - ISPL-03	5Hp - ISPL-05	7.5Hp - ISPL-7.5
<b>Solar Panel</b>			
PV Panel - Watts	270 - 320	270 - 320	270 - 320
Maxm Open Circuit Voltage Voc	44.9 - 45.3V	44.9 - 45.3V	44.9 - 45.3V
Short Circuit Current ISc	8 - 9.26A	8 - 9.26A	8 - 9.26A
Standard	IEC-61215/61733	IEC-61215/61733	IEC-61215/61733
<b>VFD - Variable Frequency Drive</b>			
Max DC Input Watts	3000	5000	7000
MPP Voltage Range	250 - 380 V	250 - 800 V	250 - 800 V
AC Out Put	7 - 10A	10 - 12.5 A	12.5 - 15.6 A
Out Put AC / 50Hz	3 Phase - 230 Volts	3 Phase - 415 Volts	3 Phase - 415 V
Manual Switching Solar V/S EB Power			
Lightening Protection			
Surge Protection			
Reverse Polarity Protection			
Under Voltage Protection			
Over Voltage Protection			
Over Temperature			
Operating Temperature C°	Upto 50	Upto 50	Upto 50
Standards	IEC-61683/60068-2	IEC-61683/60068-2	IEC-61683/60068-2
Enclosure	IP54	IP54	IP54
Dimension W x H x D in mm	400x500x250	400x500x250	500x700x300
<b>Pump with Motor</b>			
Submersible Solar Pump	3 Hp	5 Hp	7.5 Hp
Make: KBL/Lubi/Shakthi/Texmo	Reputed Brand	Reputed Brand	Reputed Brand
Head - Mtr	30/50	30/50/70/100	30/50/70/100
<b>INFYSUN Offer - Parameters</b>			
Water output under the average Daily Solar Radiation condition of 5.6 kwh/day/sq.m	3500 to 750000 ltr per day	3500 to 750000 ltr per day	3500 to 750000 ltr per day

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