PS SERIES

DC **SOLAR** PUMP CONTROLLER



INFINITE **SOLAR** PUMPING ENERGY



www.lubipumps.com

PS
DC Solar Pump Controller

INTRODUCTION

PS series controller special for PV water pump adopts the high accuracy fast MPPT algorithms, tracking the PV array output by the maximum power point, driving the pump motor as much as possible to meet various pumping applications.

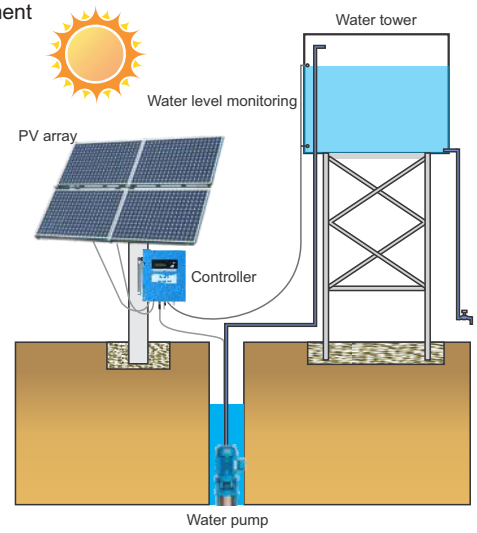
The controller specially design for PV water pump can support PV array DC input. PS series controller special design for 3 Phase PMSM (DC) high efficient motor pumps. The controller provides full protection, maximizing the life of motor & pumps.

FEATURE & BENEFITS

- Suitable for 3 phase PMSM (DC) high efficient motor
- Built-in high precision PV array maximum power point tracking MPPT algorithms
- Dry running mode monitoring, treatment
- Tank water level control
- LED displays the real time situation and the parameters like Output Frequency, DC voltage, kW, kWh & Output Current
- Built in automatic sleep-wake up function
- Based on RS485 real time remote control system
- Fast installation design, no extra maintenance needed
- Built-in full protection and diagnostic mechanism
- Overload capability : 150% of rated current for 60 sec.
- Temperature : -10 to +50°C
- IP65 Controller
- MNRE approved
- Overall Efficiency : >97%

APPLICATION

- Drinking water supply
- Livestock watering
- Pond management
- Irrigation, etc.



PROTECTION DEVICES

Built in dry run protection	: Yes
Built in surge protection	: Yes
Reverse polarity protection	: Yes
Short circuit protection	: Yes

SPECIFICATION

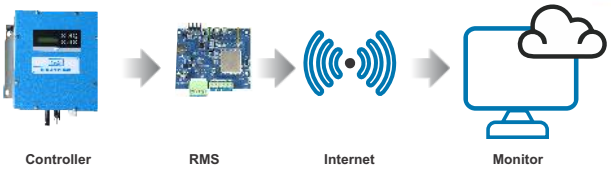
Model No.	Rating (HP)	Max.PV Power(Wp)	Max.Input DC Voltage (VDC)	MPPT Voltage range (VDC)	Output Voltage (V)	Max.Output Current (A)	Output Frequency (Hz)	Max. Motor Power (kW)	Operation
PS0750	1	1200	200	50-170	0-100	15	0-300	0.75	PV only
PS1500	2	1800	300	50-170	0-150	15	0-300	1.5	PV only
PS2200	3	3000	450	150-350	0-230	15	0-300	2.2	PV only
PS3700	5	5000	450	150-350	0-300	15	0-300	3.7	PV only
PS5500	7.5	7500	800	300-750	0-400	15	0-300	5.5	PV only
PS7500	10	10000	900	300-750	0-500	18	0-300	7.5	PV only

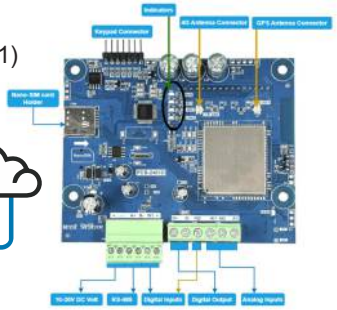
REMOTE MONITORING SYSTEM (RMS)

Lubi Solar-Pump remote monitoring system, which allows user to monitor all data regarding Solar power generation, consumption, pump run time. This Monitoring unit can enhance your pump-drive to monitor remotely. Interactive Web-Portal presents all data, comparative analytical diagnosis. All data are logged and can be securely reviewed and analyzed at any time from any location. On board Memory will store near to 3 years of pump data.

SPECIFICATIONS

- 10V to 30V Input Voltage DC Supply With Reverse Polarity Protection
- Cellular Technology: 2G (900/1800MHz), 4G (LTE-FDD B1/B3/B5/B8) (LTE-TD B43/B38/B39/B40/B41)
- On Board RS485/RS232 Communication Interface
- 3V and 1.8V - Nano SIM-Card - Push-Push Type
- GNSS Support
- Internal FPC Flexible Sticker High-dBi Antenna for LTE and GPS





LUBI INDUSTRIES LLP
Near Kalyan Mills, Naroda Road, Ahmedabad-380 025, INDIA.
Phone : +91 - 79 - 61700100, Fax No. :+91 - 79 - 61700399.
Sales Enquiries: indsales@lubipumps.com, mktsales@lubipumps.com
www.lubipumps.com

Product Improvement is a continuous process at 'LUBI'. The data given in this publication is therefore subject to revision.

Customer Care Number : 09824200800

ISO 9001 ISO 14001