



megh neel

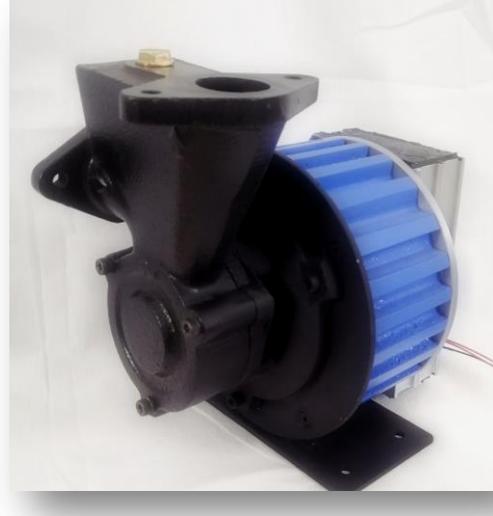
Self-Priming Monobloc Pump (BLDC Motor)

Features

- ❖ Self-priming Monobloc pump using BLDC motor technology.
- ❖ Very efficient and can run directly on any DC source including Solar/Wind power
- ❖ External controller
- ❖ Brass Impeller
- ❖ Special grade cast iron and cast aluminum housing for rust free operation
- ❖ Made in Coimbatore, India

Applications

- ❖ Suitable for Agricultural farms, Aqua farms, Bungalows, Homes, Resorts and Hospitals that uses DC as source of power like Solar / Wind power generation systems



Technical Specifications

Parameter	0.5 HP
Rated Torque (Nm)	1 Nm
Input Power (W)	375 W
Rated Voltage (V)	12 V / 24 V / 36 V / 48 V
Rated Speed (RPM)	2800
Rated Current (A)	30 A / 15.6 A / 10.4 A / 7.8 A
Peak Current (A)	30A*
Winding Type	3 Phase Star Connected
Magnet Temperature (°C)	80°
Pipe Size Inlet - Outlet	1 inch - ¾ inch
Total Head in Meters	Discharge in Liters per minute (LPM)
6	45
10	42.5
12	39
15	35.8
18	31.1
21	26.1
24	22



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BLDC Pump – Operating Instructions

Electrical Wiring

Color	Description
Red	12 / 24 / 36 / 48 V Positive
Black	12 / 24 / 36 / 48 V Ground

Important Instructions

1. Connect the Red wire to the positive terminal of the 24/36/48 volt battery via a DC switch and connect the Black wire to the negative terminal wire of the battery.
2. Ensure that the voltage rating of the battery before connecting
3. Do not interchange the wires while connecting to the battery. Doing so will irreversibly damage the electronic controller.
4. While operating the pump for the first time pour water through the holes provided in the pump section.
5. Do not dry run the motor. The pump seal will suffer damage if the pump is operated without water.
6. Place the motor controller in a proper enclosure to protect the motor from rain and flooding. The controller will suffer irreversible damage if water seeps into the controller section of the pump. Bolt the motor firmly unto an even surface and use rubber paddings to dampen any noise.
7. Failure to adhere to the above instructions will void warranty
8. In case of any service requirement or for further enquiries contact us at the given below address

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