

# SOLAR PUMPS

## Submersible solar pumps



- Submersible solar pumps use solar energy to pump and transport water. It is a pump that is immersed in water. It is the most attractive water supply method in the sun-rich regions of the world today, especially in remote areas that lack electricity and electricity. It is mainly used for domestic water supply, agricultural irrigation, garden watering and so on.
  - Submersible Solar Submersible Pump with Stainless Steel Impeller
    - 3DSC-A/D solar pump with S/S impeller: stainless steel pump body, 304 stainless steel pump shaft and 304 stainless steel impeller, It is more durable and has a longer service life than plastic impeller solar pumps.
    - This 3DSC stainless steel impeller solar pump is used for irrigation, domestic water lifting, Poultry Farming, Garden watering.
    - Max flow: 4.8 m<sup>3</sup>/hour
    - Max head: 130 m
  - Submersible Solar Pump with Plastic Impeller
    - The 4" AC/DC plastic impeller solar submersible pump is Cost-effective and has a large flow rate. Using a 304 S/S pump shaft, brass oil cylinder, alloy mechanical seal.
    - The 4-inch AC/DC solar submersible pump can meet a large area of water supply and is suitable for large-area farmland irrigation.
    - Max flow: 20 m<sup>3</sup>/hour
    - Max head: 300 m

## Surface Solar pumps



- Used to increase water pressure. Allow water to be transported to higher and Bigger ranges. Working with solar energy, it is the most attractive water supply method in the sun-rich regions of the world, especially in remote areas that lack electricity.
- Pump Advantages
  - Inlet/Outlet: 304 Stainless Steel
  - Pump Body: 304 Stainless Steel
  - Motor Body: Die-cast Aluminum
  - Bear: NSK
  - Screw: 316 stainless steel
  - Motor: Permanent Magnet Brushless DC Motor (Without Hall)
  - Controller: 32bit MCU/FOC/Sine Wave Current/MPPT
  - Controller Shell: Die-cast Aluminum (IP67)
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# DC Pump Controller



## Advantages

1. Waterproof grade: IP65
2. VOC range:
  - 24V/36V controller: 18V-50V
  - 48V controller: 30V-96V
  - 72V controller: 50V-150V
  - 96V controller: 60V-180V
  - 110V controller: 60V-180V
3. Ambient temperature: -15°C~60°C
4. Max. input current: 15A
5. MPPT function, the solar power utilization rate is higher.
6. Automatic charging function:
  - Guarantee the pump normally working, meanwhile charge the battery; And when there is no sunshine, the battery can make the pump continuously working.
7. LED displays the power, voltage, current, speed etc working condition.
8. Frequency conversion function:
  - It can automatically run with frequency conversion according to the solar power and user also can change the speed of pump manually.
9. Automatically start and stop working.
10. Water proof and leak-proof: Double seal effect.
11. Soft start: No impulse current, protect the pump motor.
12. High voltage/Low voltage/Over-current/High temperature protection