

Solar Aeration System

About Solar Aeration System

It is developed for the application scenarios of fish pond oxygenation for fish farming. The system mainly consists of solar arrays, solar inverters and aeration pumps.

The solar array consists of multiple solar modules connected in parallel, absorbing the sunlight radiation energy and converting it into electrical energy to provide for the whole system.

The solar pumping inverter controls and regulates the operation of the system, converting the DC power into AC power to drive the aeration pump.

The aeration pump is driven by permanent magnet synchronous motor, mixing air and water to increase the oxygen in the water.

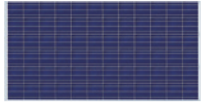


System Characteristics

- ✔ Select high-efficiency permanent magnet motor, comprehensive motor protection and smooth operation.
- ✔ High water-proof protection level for inverter and motor to ensure electrical safety.
- ✔ Support dual power supply of solar and grid power, with solar priority function to save electricity costs.
- ✔ Using solar clean energy, pollution-free to the environment and water bodies.



Product Specification

Item	Description	Model	Specifications	Quantity	Unit	Product Image
Inverter	Permanent Magnet Solar Pumping Inverter	PM1500S-AD	1.5kW	1	Set	
Aeration Pump (Choose One from Two)	Vane Type	SPO-1.5-IP	1.5kW / 3PH 380V	1	Set	
	Water Wheel Type	SPO-1.5-WH	1.5kW / 3PH 380V	1	Set	
Solar Array	Solar Panel	SL-330P	330W	6	Pcs	
	Solar Bracket	C Steel	Tilt Angle Customization	1	Set	

