



**CLEAN
WATER**

**LOTUS SHAPED FLOATING
SOLAR AERATOR**

FLOATING LOTUS-SHAPED SOLAR AERATOR

Introduction

Clean-Water's Lotus-Shaped Solar Aerator is an innovative, customizable solution designed to oxygenate waterbodies while adding aesthetic beauty. This floating structure combines functionality with visual appeal, resembling a lotus flower and weighing approximately 1500 kg. Powered by solar energy, it operates efficiently with minimal environmental impact, making it an ideal solution for lakes, ponds, and reservoirs in urban and rural areas. Equipped with LED lights that illuminate the waterbody at night, the Lotus-Shaped Solar Aerator not only improves water quality but also enhances the nighttime ambiance, transforming waterbodies into vibrant community spaces.

Key Features of Clean-Water's Lotus-Shaped Solar Aerator:

- 1. Customizable Design:** The Lotus-Shaped Solar Aerator is designed to be adaptable to client needs. Its shape, size, and aeration power can be customized, allowing it to meet specific waterbody requirements while maintaining its lotus-inspired appearance.
- 2. High-Efficiency Oxygenation:** Powered by solar energy, this aerator delivers high oxygen levels to the water, improving dissolved oxygen and supporting aquatic life. Its efficient aeration system promotes microbial activity, reduces pollutants, and prevents harmful algae, creating a balanced ecosystem within the waterbody.
- 3. LED Illumination:** The aerator is equipped with LED lights that illuminate the waterbody at night. This lighting enhances the aesthetic appeal, making the aerator a beautiful, eye-catching centerpiece. The illuminated lotus design transforms the waterbody into a visually stunning feature, particularly suited for parks and public spaces.
- 4. Robust and Weather-Resistant Structure:** Built with high-quality, durable materials, the aerator is designed to withstand various weather conditions. Its 1500 kg floating structure ensures stability, even in turbulent water, and provides a long operational life with minimal maintenance.
- 5. Eco-Friendly, Solar-Powered Operation:** As a solar-powered device, the Lotus-Shaped Aerator operates with zero emissions and minimal environmental impact. This sustainable solution offers an energy-efficient way to improve water quality, reduce harmful gases, and lower Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) without relying on external power sources.
- 6. Aesthetic and Environmental Benefits:** Beyond its functional benefits, the lotus shape and LED lights enhance the beauty of the waterbody, creating an attractive focal point that draws visitors and fosters community engagement. The improved water quality, oxygenation, and biodiversity also support a healthy aquatic environment, making the waterbody more enjoyable for people and wildlife alike.

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Product Description:

The 3HP scorpion jet aerator is a solar-powered solution designed to improve water quality in lakes and ponds, powered by a 6.5 KW system of floating solar panels. Mounted on a specially developed floating structure, this system supports both the solar panels and the suspended underwater aerator, ensuring optimal performance.

The aerator is uniquely designed in the shape of a lotus, enhancing the aesthetics of the waterbody, and features LED lights powered by solar energy that illuminate the structure at night. Customizable to meet specific requirements, this eco-friendly aerator combines functionality, sustainability, and visual appeal.

Salient Features:

- Solar Powered Efficiency
- Special Floating Structure
- Aesthetic Lotus Design
- Nighttime Illumination
- Customizable Design
- Environmentally Friendly
- Versatile Application
- Innovative Technology



FLOATING LOTUS-SHAPED SOLAR AERATOR

TECHNICAL SPECIFICATIONS

- **Build:** Galvanized MS Structure | FRP Petals & Floaters
- **Anchoring & Fixing:** Anchored to Bottom
- **Diameter** ~ 30 ft. (Customizable)
- **Weight** 1300-1500 kgs
- **Aerator Horse Power** 3 HP
- **Aerator Type** Submersible Jet Scorpion Aerator
- **Floating Solar Panel Capacity:** 6.5 KW
- **LED lights:** 24 (Customizable)
- **Auto/Manual** Auto

