

The **SD Series of Solar Lake Aerators** is a Professional-Grade Solar Aeration System designed to provide high-volume, reliable aeration for remote and off-grid sites. It is designed to operate efficiently using nothing but solar power with no batteries.

Each unit is ruggedly constructed using high-quality components that have a proven history of durability. In addition to industry-leading quality, the SLA-SD Series is loaded with common-sense features.

The cost of the SLA is highly disruptive to the existing aerator market. Extensive design and testing along with the use of rugged components ensures a lower overall cost of ownership and a higher return on your investment.

American-Made materials are used throughout the **SLA** to ensure reliable, trouble-free operation for years to come.

The SLA series aerators are the finest solar aerators available. In addition, they are easily installed by anyone using just a few basic hand tools.

Engineered from the ground up, our SLA Series is built tough by Certified Solar Professionals. U.S. Solar Mounts products are crafted by people who truly take pride in what we build and we know that you will, too.

SD2 Features:

- 100 % **Engineered and Built in the USA**
- Ultra-Quiet **2.5 CFM DC Compressor**
- Works with any brand of diffuser
- Stainless Steel Locking Hasps & Hardware will not rust
- 100% Factory Testing ensures high quality
- Complete Standard Warranty
- High-Temp Limit with Auto-Reset, protects compressor & electronics
- Hooded & Filtered Intake & exhaust
- High-quality ball bearing fan provides active ventilation
- Low-Voltage Disconnect with timed auto-reconnect
- Controller automatically adjusts for varying solar conditions, maximizing compressor run time



Benefits of Solar-Direct Aerators

Lower initial cost than any battery-based system
Simpler design with fewer parts & less maintenance
Eliminates batteries and costly replacements
Smaller, Low-Profile cabinet and overall design

Options & Upgrades

Sound Reduction Kit for acoustically-sensitive areas
Sinking Hoses
Spare Intake & Compressor Filters
Direct Pole Mount Bracket
Disc Membrane or Infinity Diffusers

Power & Electrical

Solar Module(s)	2x 100-Watt Modules Standard, (Larger arrays available)
Racking	Fully Adjustable Top-of-Pole, Various Options Available
Circuit Protection	Individual Rocker-Style Circuit Breakers



Compressor

Type	High-efficiency DC Diaphragm – Made in USA
Max Flow / Depth	2.5 SCFM, Max Depth: 20', 25 PSI
Over-Pressure	Brass Automatic Pressure Relief Valve
Flow Balancing	2x Full-Flow Brass Ball Valves
Sound Level	<65db @ 6'

Thermal Management

Air Intake	Washable & Reusable slide-in Primary Filter
Enclosure Cooling	78 CFM Automatic Active Ventilation
High-Temp Limit	Yes-With Automatic Re-Start
Compressor	Long-Life Compressor Cooling Fan

Air Distribution

Diffuser Types	Works with any style diffuser
Connections	2x External Connection Ports w/fittings

Materials & Finishes

Enclosure	ULTRAGUARD™ Fiberglass reinforced polyester Compression Molded Non-Corrosive/Non-Conductive Continuous, Poured-in-Place Gasket 316 Stainless Steel Hardware
Steel Components	High-Strength Steel Baked-On Polyester Power Coat
Aluminum Rails	6360 T6 Anodized .2-.25mil Thickness
Codes & Standards	Structural ASTM A36, A53 Plating ASTM B633
Enclosure Weight	68 lbs, including base
Coverage	Base system up to 2 acres. Larger systems are available.

