



SLA-SD Series

U.S. Solar Mounts

Solar Direct Lake Aerators

The **SLA-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.

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 **SD 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 **SD 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.

SLA-SD2



SLA-SD4



Benefits of Solar-Direct Aerators

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

Feature	SLA-SD2 Specifications	SLA-SD4 Specifications
Power & Electrical		
Solar Module(s)	1x 60-Cell Module	2x 60-Cell Modules
Racking	Fully Adjustable Top-of-Pole, Various Options Available	
Circuit Protection	Individual Rocker-Style Circuit Breakers	
Compressor		
Compressor Type	High-Efficiency DC Diaphragm	Dual High-Efficiency DC Diaphragm
Max Flow/Depth	2.5 SCFM/ 20' / 25PSI	5 SCFM/ 20' / 25PSI
Over-Pressure	Brass Automatic Pressure Relief Valve	
Flow Balancing	2x Full-Flow Brass Ball Valves	4x Full-Flow Brass Ball Valves
Sound Level	<65db @ 6'	<55db @ 6'
Air Intake	Washable & Reusable slide-in Primary Filter	
Thermal Management		
Enclosure Cooling	78 CFM Automatic Active Ventilation	156 CFM Automatic Active Ventilation
High-Temp Limit	Yes - With Automatic Re-Start	
Compressor	Long-Life Compressor Cooling Fan	2x Long-Life Compressor Cooling Fans
Air Distribution		
Connections	2x External Connection Ports w/fittings	4x External Connection Ports w/fittings
Diffuser Types	Works with any style diffuser	
Materials & Finishes		
Enclosure	ULTRAGUARD™ Fiberglass Reinforced Polyester Compression Molded Non-Corrosive/Non-Conductive Continuous, Poured-in-Place Gasket 316 Stainless Steel Hardware	
Steel Components	Formed Carbon Steel Baked-On Polyester Powder Coat	
Aluminum Rails	6360 T6 Anodized, .2-.25mil Thickness	
Codes & Standards	Structural, ASTM A36, A53 Plating ASTM B633	
Enclosure Weight (including base)	68 lbs	86 lbs
Coverage	Base System up to 2 acres	Base System up to 5 acres, larger systems available
Applications:		
<ul style="list-style-type: none"> ● Ponds & Lakes ● Storm Water ● Golf Courses ● Frac Pit Normalizing 	<ul style="list-style-type: none"> ● Livestock Watering ● Cranberry Growers ● Parks ● Sewage Systems 	<ul style="list-style-type: none"> ● Fish Farms ● Aquatic Engineering ● Preppers ● Irrigation ● Weed & Algae Control ● Habitat Management ● Gate De-Icing ● Marinas