



## AC-Series Data Sheet

# US Solar Mounts Grid-Powered Lake Aeration

Building on the tradition of our durable Solar Direct Aerators, the AC-Series Aerators borrow many of the same features that have a history of proven performance.

The AC Series has been designed to provide reliable, low-cost 24/7 Aeration using standard grid-power. Each of our AC units is ruggedly constructed using high-quality, American-Made components. Features like easy compressor & filter access, lockable enclosures, and carefully engineered air flow highlight the thoughtful system design.



### Aerator Enclosures

US Solar Mounts is proud to offer a variety of High-Quality, Purpose-Built Enclosures for our aeration systems. Our enclosures are designed and fabricated in-house to ensure excellent Fit & Finish, along with optimized thermal and sound performance.



### Control Options

Our AC-Series Aerators offer an array of control options. Available options include Time Clocks, Temperature Monitors and Automatic Slow-Start Controls. Custom Control solutions are also available.

	AC-1	AC-2	AC-3	AC-4
Power & Electrical				
Power Requirement	120VAC, 60Hz, 15A			
Overcurrent Protection	Built-In Rocker-Style Circuit Breaker			
Compressor				
Compressor Type	Rocking Piston			
Max Flow / Depth	2.7 SCFM / 50'+ / 30PSI		5.2 SCFM / 50'+ / 30PSI	
Over-Pressure	Brass Automatic Pressure Relief Valve			
Flow Balancing Valves	1x	2x	3x	4x
Air Intake	Compressor Intake Filter/Silencer with Replaceable Cartridge			
Pressure Gauge	Yes – Liquid Filled Pressure Gauge			
Thermal Management				
Enclosure Cooling	117 CFM Automatic Active Ventilation			
Thermal Cutout	Yes – Standard Thermal Motor Protector			
Compressor	Long-Life Compressor Cooling Fan		2x Long-Life Compressor Cooling Fans	
Air Distribution				
Connections	1x External Barb	2x External Barb	3x External Barb	4x External Barb
Pressure Gauge	Yes – Liquid Filled Pressure Gauge			
Materials & Finishes				
Enclosure	Laser Cut Steel, Formed & Welded			
Steel Components	Formed Carbon Steel, Baked-On Polyester Powder Coat			
Codes & Standards	Structural, ASTM A36, A53 Plating ASTM B633			
Enclosure Weight	65 lbs	67 lbs	75 lbs	78 lbs
Mounting Type	Post / Pole / Wall is Standard, Ground Mount Optional			
Coverage	1 acre	2 acres	3 acres	4 acres
Warranty	3-Year Standard on all non-wearable parts			
Features & Upgrades				
Time Clock Control	Optional			
High Temp Limit	Optional - With Auto Restart and Lockout			
Ground Mount	Optional Ground Mount Base Kit			
Slow-Start / EZ Start	Optional – With 1 Week Auto Start-Up Control			

