



ELECTROFISHING SYSTEMS, LLC

Reliability Simplicity Service

Stream Barge Electrofishing Systems

Dependable, Efficient Equipment from ETS Electrofishing Systems

Easy-to-operate design, effective over a wide range of water conductivities

ETS Electrofishing Systems has provided quality stream barge, boat, and backpack electrofishing units to federal, state, and private agencies for over 25 years. We offer customized equipment with short lead times at the most competitive prices in the industry. More than 600 of our systems are in service in the United States, Canada, Mexico, and Australia, including over 57 stream barge systems. **ETS control boxes, anodes, cables, and reels are all fully and quickly repairable. We offer a RUSH REPAIR OPTION at no added cost.**



Our **SDC-1™ Stream Barge Electrofishing System** is a 240VAC generator-powered, 2000 watt electrofishing system and a cost-effective, easy-to-use solution for sampling larger wadeable streams. A proven and trusted performer, it was developed with technical support from the University of Wisconsin, Wisconsin Department of Natural Resources, and many other federal and state agencies. Our stream barge systems are customizable to meet your agency's needs, with a variety of options available. See detailed specifications and descriptions of our stream barge equipment below. All systems include a limited, one-year parts and labor warranty.

Visit our website at etselectrofishing.com or contact us for more information about any of our electrofishing equipment, including complete backpack and boat systems.

ETS Electrofishing Systems, LLC

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Our solar powered, zero-energy-cost office and shop in Madison, Wisconsin. Awarded an ENERGY STAR 100/100 rating.



SDC-1 STREAM BARGE SYSTEM

240VAC generator-powered, 2000 watt electrofishing system

A straight-forward, generator-powered system for larger wadeable streams

Specifications	
Weight of barge with three reel set-up, less generator (Kevlar style)	65 lbs (29.5 kg)
Weight of generator (3.25KW), less gasoline	110 lbs (49.9 kg)
Generator	Generac 3.25KW, 240VAC, floating neutral, or similar
Output power (average, DC-mode)	2000W with 2500W generator minimum
Output waveform	Direct current with superimposed 60Hz ripple for effective capture*
Dual voltage range	0-300, 300-600VDC
Max. voltage (continuously adjustable)	Approx. 600V
Max current (depends on water conductivity)	Up to 8A
Number of anode pole/cord reel connections	1-3
Connector type	Amphenol 97-3012A series, field repairable
Overcurrent protection (provided by generator breaker)	Typically 20A
Safety circuit (low voltage control, 12 VDC)	Magnetic pole switches and push-pull or panic kill switch
Meters, average-reading	2.5" circular, splash-proof meters, 0-10ADC, 0-600VDC, 5%
Anode pole cord	15-25' loose, or optional 25' cord reel, SOOW-18-3 cord type

**Basic, pulsed-DC waveform capability can be installed as an option – see below*

Features and Options

- Three output receptacles allow connection for up to three anode poles – Two dummy plugs included, allowing the use of only one or two anode poles – Fewer pole electrodes reduce width of field, but allow stronger current per electrode in higher conductivity water
- External 12V battery is standard to operate safety circuit – Optional built-in, isolated 12V power supply available
- Control box is high-impact plastic, splash-resistant, 8" x 8" x 4" with stainless steel hardware and water-tight meters
- Anode poles are lightweight, 5' fiberglass-reinforced polyester resin with stainless steel diamond or circular electrode – Cable has a water-tight detachable connector at top of anode pole allowing quick removal of pole – Loose 15-25' cable is standard – Reels available as option – Pole includes stainless steel sash chain for cord/connector strain relief
- Optional cord reels are black non-conductive plastic, with heavy-duty retractor spring, removable from barge brackets, and angle adjustable – Cord locks automatically at 3-4' intervals, but retracts when pulled and then released
- Tow-style barge is standard – Rear push-bar barge with rear-mounted control box available as an option
- Barge is 3' x 6' x 15", standard fiberglass-reinforced resin or optional Kevlar-reinforced resin for reduced weight and greater impact resistance – All barges have a front hinged-covered storage area, built-in bottom stainless steel cathode plate, polyester low-friction bottom glides, wet or dry center well, two front eye pulls, and four carrying handles
- Standard output waveform is straight, direct current (DC) – A basic, pulsed-DC waveform can be installed as option allowing choice of DC or pulsed-DC at a 60 pps rate, 25% duty cycle – Pulsed-DC can be considerably more effective in high conductivity water; however, it can produce more morbidity and mortality in susceptible species