

# Aqua Shock Solutions LLC

## AP1 Electrofisher Technical Specifications

### Controls and Resolution

<b>Frequency:</b> 10 Hz to 250 Hz Continuously Adjustable 1 Hz Steps
<b>Duty Cycle:</b> 5% to 90% Continuously Adjustable 1%, 100% DC Mode
<b>Voltage Selection:</b> 50V, 100V, 150V, 200V, 250V, 300V, 400V, 500V, 600V, 700V
<b>Annunciator Switch:</b> Toggles load annunciator on/off
<b>Timer Reset Button:</b> Resets the load timer
<b>Main Power Switch:</b> Toggle unit on/off
<b>Emergency Power Mushroom Stop:</b> Easy accessible power off with twist reset

### Display and Metering

<b>Battery:</b> Volts, Amps, AH used for session
<b>Output Watts:</b> Average calculated output watts
<b>Frequency Hz:</b> Output frequency
<b>Duty Cycle:</b> Output duty cycle %
<b>Load Feedback:</b> Time Seconds/Minutes/Hours, Lamp, Annunciator

### Power and Performance Capabilities

<b>Output Watts:</b> 300 watts average, 2,000 watts peak at 20% DC; 5,000 watts at 5% DC
<b>Output Current Limits:</b> 30A pulse average, 50A surge
<b>Output Pulse Energy:</b> 30 Watt-s(Joules)
<b>Conductivity Range:</b> 30 uS to 3,000 uS
<b>Battery:</b> 10 AH 24V lithium, 5.5 lbs
<b>Maximum Ambient Temperature:</b> 40°C at 200 watts session average

### Safety and Overload Protection

<b>Unit Construction:</b> Polycarbonate case, water resistant, 10M-Ohm dielectric isolation
<b>Power Supply:</b> Isolated, thermally protected, direct independent current control
<b>Overload protection:</b> Autoreset 300 watts and 50A peak pulse, 40A battery fuse
<b>Case Temperature:</b> Internal 60°C switch, 50°C autoreset
<b>Load Feedback:</b> Annunciator, load lamp
<b>Emergency Stop:</b> Twist reset

### Dimensional and Weight Parameters

<b>Weight:</b> Dry without battery = 15.0 lbs , With battery 20.5 lbs
<b>Dimensions:</b> Unit Height = 20" Unit Width = 12" Unit Depth = 6"