



# 500W Electro-Fishing Backpack System

Introducing the **500 Watt Electro-fishing Backpack System** from E-Fish. This compact, portable and rugged system has every detail engineered with the user in mind...

## Simple

With its large easy to use graphical display, preset memories and digitally controlled outputs, the system is simple for any user to operate and meets all the current best practice guidelines.

## Comfortable

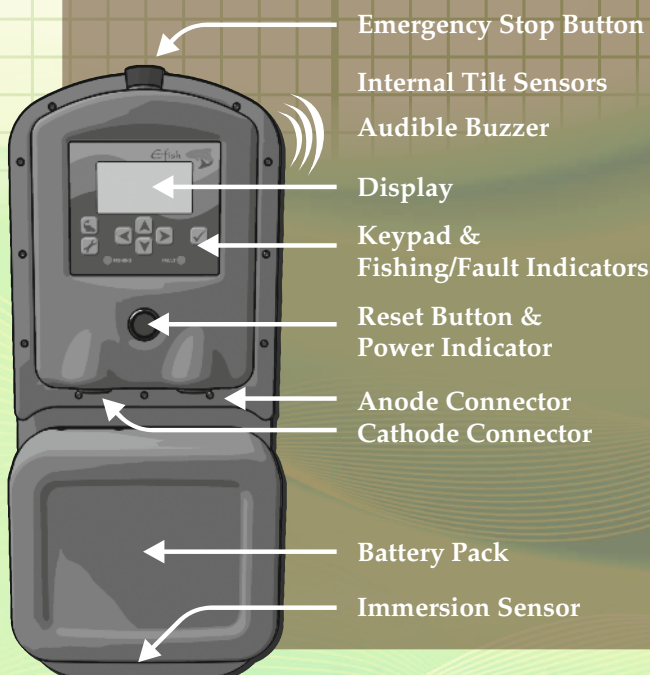
Both the ergonomic anode and the quick release harness are designed for maximum comfort and a reduction of operator fatigue. Quick-change battery packs, smart tilt and immersion sensors allow mobility without compromising safety.

## Reliable

Completing the package, a smart charger, transit case, comprehensive manuals and first year service are all included with the system.



## Features...



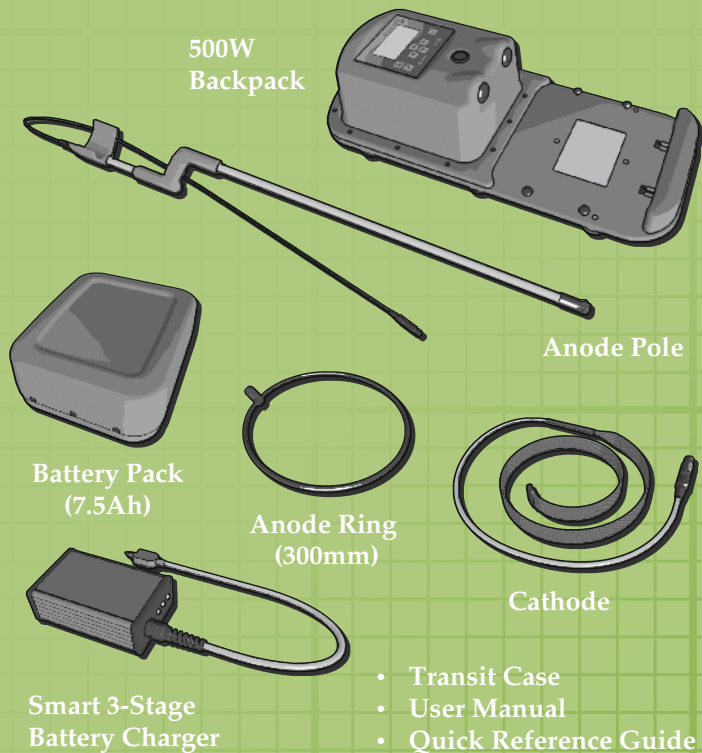
- Large graphic display showing current operating state and interactive settings/menu.
- Adjustable frequency from 10Hz to 100Hz.
- Adjustable duty cycle from 10% to 100%.
- Adjustable power limit, up to 500W, and automatic 'active power control' function.
- Store & recall functions for 10 preset site settings, with security lock to prevent accidental changes.
- Quick change battery modules (in 7.5Ah and 3.3Ah sizes).
- Over-current, over-temperature, tilt and immersion safety monitoring sensors.
- Ergonomic anode design, with adjustable anode ring angle.
- Fishing Survey Timer Function.

Technology that works for you.



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## System Contents...



500W Backpack

Anode Pole

Battery Pack (7.5Ah)

Anode Ring (300mm)

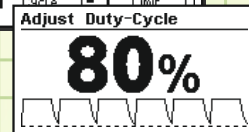
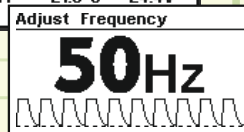
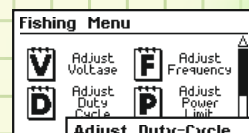
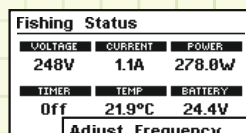
Cathode

Smart 3-Stage Battery Charger

- Transit Case
- User Manual
- Quick Reference Guide

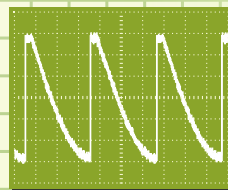
## Graphic Display...

A large graphical display provides an intuitive user interface, with clear and easily adjustable fishing parameters.

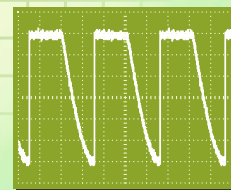


## Digital Output...

Microprocessor controlled digital synthesis ensures ideal waveform shaping, reducing distress to fish. Full output voltage swing at all settings, and provides short-circuit tolerance.



10% Duty-Cycle



50% Duty-Cycle

## Technical Specifications...

### Dimensions

- Backpack & Harness 555 x 240 x 140mm
- Battery Pack 240 x 200 x 85mm
- Charger 170 x 105 x 55mm
- Anode Pole Tip to: Armrest 1400mm, Grip 1040mm
- Anode Ring 300mm diameter (other sizes available)
- Cathode 3m total (2m cable plus 1m tail - other lengths available)

### Weight

- Backpack & Harness 6.6kg
- Battery Pack 6.3kg (7.5Ah) or 3.9kg (3.3Ah)
- Anode Pole & Ring 1.6kg

### Construction

- Housings ABS & Acetal plastic
- Cabling Kevlar reinforced, 3kV insulated cable with 1.5mm<sup>2</sup> conductor cross section
- Anode Pole Fibreglass, ABS and Polyurethane
- Anode Ring Stainless Steel
- Cathode 25mm tinned copper braid

### Fishing Controls

- Voltage output 50V to 500V
- Power limiting 50W to 500W
- Duty cycle 10% to 100% (DC)
- Frequency range 10Hz to 100Hz
- Fishing Timer 1 to 59 minutes, in 1 minute steps

### User Controls

- Backpack Emergency Stop & Reset Buttons, 7 button keypad
- Anode Pole Fishing Trigger
- Sensors 2-axis tilt, optical immersion, internal thermal, output voltage and power
- Battery Voltage Nominal 24V DC (18V DC to 26V DC)
- Temperature 0°C to +40°C ambient in air

### Environmental

- Backpack IP66
- Battery Pack IP68
- Anode Pole IP68
- Battery Charger IP50

Please note that all specifications on this datasheet may be subject to change in line with E-Fish (UK) Limited's policy of continual product development.