

Bretschneider Spezialelektronik

Technical Data Sheet

EFGI 650 – High-Performance Backpack Unit for Wading Electrofishing

Application Areas

The EFGI 650 is a powerful, battery-operated electrofishing unit designed for mobile use in:

- Streams and small rivers
- Shallow water areas
- Still waters and ponds

Optimal use up to a water depth of 2.0 m.

Equipped with a tilt sensor for automatic safety shutdown in case of falls or mishandling.

Switchable between direct current and pulsed voltage.

Technical Data

Parameter	Value / Description
On/Off switch	Toggle switch
Max. DC Power	650 W
Max. Pulse Power	1200 W
Power Supply	24 V DC / max. 30 A (GS)
Output Voltage	115 – 565 V, adjustable in 3 coarse and 11 fine steps
Dimensions (L × W × H)	140 × 100 × 160 mm
Weight	1.3 kg
Operating Time	approx. 2 – 6 h (depending on output power and mode)
Recommended Conductivity (DC)	up to approx. 1000 µS/cm
Recommended Conductivity (Pulse)	up to approx. 2000 µS/cm
Water Depth	up to max. 2.0 m
Safety Feature	Tilt sensor with automatic shutdown
Noise Level	Whisper-quiet due to battery operation

Power Supply & Battery

- Lithium battery pack with quick-connect (cable + plug)
- Battery replacement in seconds, no tools required
- Direct and secure connection to the electrofishing device
- Backpack version: high-quality, padded, and ventilated
 - Integrated cable outlet
 - Two stitched straps for carrying the EFGI 650
 - Strain relief for the cathode cable

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Special Features

- Compact design and lightweight for extended use
- Quiet operation – ideal for sensitive water bodies
- Automatic safety shutdown in case of tilt
- Fast battery change for continuous operation

Note

Actual operating time and output power depend on water temperature, conductivity, and operating mode.