

E-Fiber

Modular electrospinning/electrospraying platform



EF020 - High Voltage Power Supply for electrospinning/electrospraying

High voltage power supply for electrospinning and electrospraying applications, particularly indicated for basic research and development applications. Equipped with a user friendly LCD screen to monitor voltage and current, emergency stop, connection and external switch for safety interlock or fume-hood front panel. All models are CE and UL certified.

The high voltage power supply options are:

- Single polarity power supply.
- Dual polarity (positive and negative) high voltage power supply options for needleless technology upgrade or specific applications.

TECHNICAL DATA

General Information

Dimensions Control Panel Box 240 mm x 290 mm x 110 mm

High Voltage Generator Box 200 mm x 120 mm x 92 mm

Weight 4 kg

Cable Length AC power supply 1.5 meters

Control Panel to High Voltage Generator Box 2.0 meters

High Voltage Cable min length 50 cm

User interface LCD with voltage monitor

Emergency Button Yes

External safety switch (interlock) Yes

Main power 110-240 Vac ~ 50/60Hz

High-voltage power supply (CE and UL mark)

Voltage * Single High Voltage power supply 0÷30kV or 0÷40kV

Dual High Voltage power supply +30kV÷-30 kV or +40kV÷-40 kV

Polarity * Positive (default), Negative on Dual setup or on request

Power * 4W for each high voltage power supply

(higher power on request)

Current * 0,1 mA max

 $\begin{array}{lll} \text{Arc and Short-circuit protection} & \text{Yes} \\ \text{Safety Interlock} & \text{Yes} \\ \text{Voltage Accuracy} & \pm 2\% \\ \end{array}$

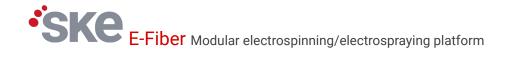
Voltage Stability 0,01% per 8h

Regulatory Approvals Compliant to 2004/108/EC EMC Directive

Compliant to 2006/95/EC Low Voltage Directive

* Fully customizable features

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ORDERING DETAILS

Product code EF020

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