

# Electrophoresis Power Supplies



- On screen help in 4 languages
- Real Time Clock
- Various running modes:
  - Simple Mode
  - 9x9 Method Programming Mode
  - Voltage Ramp Mode
  - Timer Mode
- Constant voltage/Constant current/Constant power
- Automatic cross-over
- Automatic recovery after power failure
- Password protection
- Data-logging
- Remote control via open communication protocol
- Safety features:
  - Ground leakage detection
  - Overload protection
  - Smooth voltage rise
  - No load detection
  - Isolated USB communication
- Free software and firmware updates



EV2000 series is a robust 150W power supply in a small housing and designed to be easy to use.

#### EV2310 (300V, 1000mA):

An excellent choice for blotting, multiple horizontal and vertical gels.

#### EV2650 (600V, 500mA):

All round power supply suitable for most tanks and applications.

#### EV2230 (1500V, 200mA):

Suitable for higher voltage applications

#### EV2320 (3000V, 100mA):

A high voltage power supply in a small form factor



**EVS3100-BLOT**



**EHS3610-SYS**

EV2000 series has a firmware upgrade capability. Moreover EV2000 series has a continuous logging combined with a real time clock. The complete EV series can keep its voltage constant at low currents without problem and will keep on functioning at low and high temperatures. Consort Power Supplies are the most robust, long lasting and durable electrophoresis power supplies in the market.

#### Specifications depending on model

Power	0-150 W
Voltage	0-300 V to 0-3000V
Current	0-100 mA to 0-1000mA
Outputs	4
Operating Modes	4
	Simple Mode
	9x9 Method Programming Mode
	Voltage Ramp mode
	Timer Mode (time or Vh)

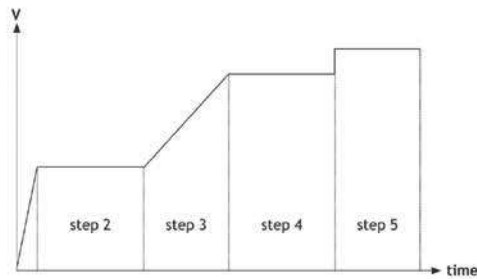
USB interface  
 Datalogging  
 Real Time Clock  
 Multiple safety features

Warranty **36 months**  
 Made in Belgium

Code	Description
EV2310	Power supply, 300 V, 1000 mA, 150 W
EV2650	Power supply, 600 V, 500 mA, 150 W
EV2230	Power supply, 1500 V, 200 mA, 150 W
EV2320	Power supply, 3000 V, 100 mA, 150 W
EVS3100-BLOT	Mini Tank Blotter (10x10cm) with 4 cassettes
EHS3610-SYS	Maxi horizontal unit 23x25 cm
→ Supplied with a european mains cord + USB cable	

## ● Specifications

	EV2310	EV2650	EV2230	EV2320
<b>VOLTAGE</b>	0...300 V	0...600 V	0...1500 V	0...3000 V
<b>CURRENT</b>	0...1000 mA	0...500 mA	0...200 mA	0...100 mA
<b>POWER</b>	0...150 W	0...150 W	0...150 W	0...150 W
<b>PARAMETER RANGE</b>	1...100% of full scale	1...100% of full scale	1...100% of full scale	1...100% of full scale
<b>TIMER</b>	0...99:59 h	0...99:59 h	0...99:59 h	0...99:59 h
<b>VOLT-HOURS</b>	0...99.99 kWh	0...99.99 kWh	0...99.99 kWh	0...99.99 kWh
<b>DISPLAY</b>	graphical	graphical	graphical	graphical
<b>SETUP RESOLUTION</b>	1 V, 1 mA, 1 W	1 V, 1 mA, 1 W	1 V, 1 mA, 1 W	1 V, 1 mA, 1 W
<b>MEASUREMENT RESOLUTION</b>	1 V, 1 mA, 0.1 W	1 V, 0.1 mA, 0.1 W	1 V, 0.1 mA, 0.1 W	1 V, 1 mA, 0.1 W
<b>PROGRAMS</b>	9x9 set of parameters	9x9 set of parameters	9x9 set of parameters	9x9 set of parameters
<b>OUTPUTS</b>	4 in parallel, 4 mm sockets	4 in parallel, 4 mm sockets	4 in parallel, 4 mm sockets	4 in parallel, 4 mm sockets
<b>MINIMUM LOAD RESISTANCE</b>	10 $\Omega$	30 $\Omega$	300 $\Omega$	600 $\Omega$
<b>NO LOAD DETECTION</b>	✓	✓	✓	✓
<b>GROUND LEAKAGE DETECTION</b>	✓	✓	✓	✓
<b>OVERLOAD DETECTION</b>	✓	✓	✓	✓
<b>COMPUTER CONTROL</b>	✓	✓	✓	✓
<b>PASSWORD PROTECTION</b>	✓	✓	✓	✓
<b>DATA-LOGGING</b>	3600 values	3600 values	3600 values	3600 values
<b>INTERVAL</b>	1...60 seconds	1...60 seconds	1...60 seconds	1...60 seconds
<b>REAL TIME CLOCK</b>	✓	✓	✓	✓
<b>USB INTERFACE</b>	✓	✓	✓	✓
<b>AMBIENT TEMPERATURE</b>	0...40°C	0...40°C	0...40°C	0...40°C
<b>RELATIVE HUMIDITY</b>	0...95%, non condensing	0...95%, non condensing	0...95%, non condensing	0...95%, non condensing
<b>POWER REQUIREMENTS</b>	210-250 VAC, 50/60 Hz, 200 W 100-125 VAC, 50/60 Hz, 200 W	210-250 VAC, 50/60 Hz, 200 W 100-125 VAC, 50/60 Hz, 200 W	210-250 VAC, 50/60 Hz, 200 W 100-125 VAC, 50/60 Hz, 200 W	210-250 VAC, 50/60 Hz, 200 W 100-125 VAC, 50/60 Hz, 200 W
<b>DIMENSIONS (WxDxH)</b>	24x20x13 cm	24x20x13 cm	24x20x13 cm	24x20x13 cm
<b>WEIGHT</b>	6 kg	6 kg	6 kg	6 kg



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EV3000 series contains 5 versions. The 3000V and 6000V version have a special low current mode for IEF applications. The IEF mode is for low current applications. The power supply can measure currents as low as 10 microAmps. All Consort power supplies can keep voltage constant at 0 current.

**EV3020 (300V, 2000mA):**

an excellent choice for blotting, multiple horizontal and vertical gels.

**EV3610 (600V, 1000mA):**

all round power supply suitable for most tanks and applications

**EV3150 (1200V, 500mA):**

suitable for higher voltage applications with a need for higher currents

**EV3330 (3000V, 200mA):**

high voltage with special low current mode

**EV3620 (6000V, 100mA):**

ultra high voltage with special low current mode

EV3000 series has a firmware upgrade capability and continuous logging with a real time clock. Consort Power Supplies are the most robust, long lasting and durable electrophoresis power supplies in the market.

**Specifications depending on model**

Power	300 W
Voltage	0-300 V to 0-6000V
Current	0-100 mA to 0-2000mA
Outputs	4
Operating Modes	4
	Simple Mode
	9x9 Method Programming Mode
	Voltage Ramp mode
	Timer Mode (time or Vh)

- USB interface
- Datalogging
- Real Time Clock
- Multiple safety features
- Warranty
- Made in Belgium

36 months



EIEF1100-SYS

Code	Description
EV3020	Power supply, 300 V, 2000 mA, 300 W
EV3610	Power supply, 600 V, 1000 mA, 300 W
EV3150	Power supply, 1200 V, 500 mA, 300 W
EV3330	Power supply, 3000 V, 200 mA, 300 W
EV3620	Power supply, 6000 V, 100 mA, 300 W
ESEQ1200-SYS	Sequencing unit 20x50 cm
EIEF1100-SYS	Isoelectric focusing system, 26x26 cm
→ Supplied with a european mains cord + USB cable	

## ● Specifications

	EV3020	EV3610	EV3150
<b>VOLTAGE</b>	0...300 V	0...600 V	0...1200 V
<b>CURRENT</b>	0...2000 mA	0...1000 mA	0...500 mA
<b>POWER</b>	0...300 W	0...300 W	0...300 W
<b>PARAMETER RANGE</b>	1...100% of full scale	1...100% of full scale	1...100% of full scale
<b>TIMER</b>	0...99:59 h	0...99:59 h	0...99:59 h
<b>VOLT-HOURS</b>	0...99.99 kWh	0...99.99 kWh	0...99.99 kWh
<b>DISPLAY</b>	LCD, 2x16 characters	LCD, 2x16 characters	LCD, 2x16 characters
<b>RESOLUTION</b>	1 V, 1 mA, 1 W	1 V, 1 mA, 1 W	1 V, 1 mA, 1 W
<b>MEASUREMENT RESOLUTION</b>	1 V, 0.1 mA, 0.1 W	1 V, 0.1 mA, 0.1 W	1 V, 0.1 mA, 0.1 W
<b>PROGRAMS</b>	9x9 set of parameters	9x9 set of parameters	9x9 set of parameters
<b>OUTPUTS</b>	4 (4 mm sockets)	4 (4 mm sockets)	4 (4 mm sockets)
<b>MINIMUM LOAD RESISTANCE</b>	5 $\Omega$	15 $\Omega$	70 $\Omega$
<b>NO LOAD DETECTION</b>	✓	✓	✓
<b>GROUND LEAKAGE DETECTION</b>	✓	✓	✓
<b>OVERLOAD DETECTION</b>	✓	✓	✓
<b>COMPUTER CONTROL</b>	✓	✓	✓
<b>PASSWORD PROTECTION</b>	✓	✓	✓
<b>DATA-LOGGING</b>	3600 values	3600 values	3600 values
<b>INTERVAL</b>	1...60 seconds	1...60 seconds	1...60 seconds
<b>USB INTERFACE</b>	✓	✓	✓
<b>AMBIENT TEMPERATURE</b>	0...40°C	0...40°C	0...40°C
<b>RELATIVE HUMIDITY</b>	0...95%, non condensing	0...95%, non condensing	0...95%, non condensing
<b>POWER REQUIREMENTS</b>	210...250 VAC, 50/60 Hz, 360 W 100...125 VAC, 50/60 Hz, 360 W	210...250 VAC, 50/60 Hz, 360 W 100...125 VAC, 50/60 Hz, 360 W	210...250 VAC, 50/60 Hz, 360 W 100...125 VAC, 50/60 Hz, 360 W
<b>DIMENSIONS (WxDxH)</b>	31x26x13 cm	31x26x13 cm	31x26x13 cm
<b>WEIGHT</b>	10 kg	10 kg	10 kg

	EV3330	EV3620
<b>VOLTAGE</b>	0...3000 V	0...6000 V
<b>CURRENT</b>	0...200 mA	0...100 mA
<b>POWER</b>	0...300 W	0...300 W
<b>PARAMETER RANGE</b>	1...100% of full scale	1...100% of full scale
<b>TIMER</b>	0...99:59 h	0...99:59 h
<b>VOLT-HOURS</b>	0...99.99 kWh	0...99.99 kWh
<b>DISPLAY</b>	LCD, 2x16 characters	LCD, 2x16 characters
<b>RESOLUTION</b>	1 V, 1 mA, 1 W	1 V, 1 mA, 1 W
<b>MEASUREMENT RESOLUTION</b>	1 V, 0.1 mA, 0.1 W	1 V, 0.1 mA, 0.1 W
<b>RESOLUTION IEF MODE</b>	1 V, 0.01 mA, 0.01 W	1 V, 0.01 mA, 0.01 W
<b>PROGRAMS</b>	9x9 set of parameters	9x9 set of parameters
<b>OUTPUTS</b>	4 (4 mm sockets)	4 (2 mm sockets)
<b>MINIMUM LOAD RESISTANCE</b>	600 $\Omega$	1200 $\Omega$
<b>NO LOAD DETECTION</b>	✓	✓
<b>GROUND LEAKAGE DETECTION</b>	✓	✓
<b>OVERLOAD DETECTION</b>	✓	✓
<b>COMPUTER CONTROL</b>	✓	✓
<b>PASSWORD PROTECTION</b>	✓	✓
<b>DATA-LOGGING</b>	3600 values	3600 values
<b>INTERVAL</b>	1...60 seconds	1...60 seconds
<b>USB INTERFACE</b>	✓	✓
<b>AMBIENT TEMPERATURE</b>	0...40°C	0...40°C
<b>RELATIVE HUMIDITY</b>	0...95%, non condensing	0...95%, non condensing
<b>POWER REQUIREMENTS</b>	210...250 VAC, 50/60 Hz, 360 W 100...125 VAC, 50/60 Hz, 360 W	210...250 VAC, 50/60 Hz, 360 W 100...125 VAC, 50/60 Hz, 360 W
<b>DIMENSIONS (WxDxH)</b>	31x26x13 cm	31x26x13 cm
<b>WEIGHT</b>	10 kg	10 kg

