

Power Supply Selection Guide

Product Name	Page #	Maximum Voltage (V)	Maximum Current (mA)	Maximum Power (W)	Method Programmable	# of Output Jacks	Output Modes
PS300B	64	300	500	90	No	4	Constant voltage or current
PS200HC	65	200	2000	200	No	4	Constant voltage or current
PS2A200	66	200	2000	200	Yes	2	Constant voltage, current or power
EV265	67	600	500	150	Yes	4	Constant voltage, current or power

PS300B 300 Volt Power Supply

The versatile PS300B is designed for most electrophoresis techniques



Convenient and Simple

The small footprint, large handle, and simple operation makes the PS300B easy to set up and use in your lab. With the large, easy to read LED, simply set the constant parameter, set the timer (if desired), and push start.

- Constant voltage or constant current mode with automatic crossover
- 10-300 V, 4-500 mA, 90 W
- 4 sets of 4 mm output jacks
- Ideal choice for most electrophoresis techniques
- Continuous runs or 999 minute timer
- Automatic recovery after power failure
- Open circuit detection
- Short circuit protection

Technical Specifications

Voltage	10-300 V in 1 V steps
Current	4-500 mA in 1 mA steps
Maximum Wattage	90 W
Timer	0-999 minutes
Output Modes	Constant voltage or current
Output Jacks	4 in parallel, 4 mm
Indoor Use	4-40°C
Humidity	80%
Universal Voltage Input	100-240 VAC, 50/60 Hz
Unit Dimensions (w x h x d)	12.5 x 33.5 x 28 cm
Weight	2.4 kg
Safety Certifications	EN61010-1, CE

Ordering Information

Cat. #	Description
PS300B	300 Volt Power Supply, Universal VAC

Definitions

Constant Voltage Mode—the power supply will attempt to maintain the user selected voltage by automatically adjusting the current flow

Constant Current Mode—the power supply will attempt to maintain the user selected current flow by automatically adjusting the voltage supplied

Automatic Crossover—when the constant parameter (voltage or current) cannot be maintained due to power supply operating limits the power supply automatically switches to maintaining the other parameter

PS200HC 200 Volt High Current Power Supply

The PS200HC is ideal for large electrophoretic blotting applications and for low voltage electrophoresis runs

Convenient and Simple

The small footprint, large handle, and simple operation makes the PS200HC easy to set up and use in your lab. With the large, easy to read LED, simply set the constant parameter, set the timer (if desired), and push start.

- Constant voltage or constant current mode with automatic crossover
- 5-200 V, 10-2000 mA, 200 W
- 4 sets of 4 mm output jacks
- Ideal choice for blotting applications
- Continuous runs or 999 minute timer
- Automatic recovery after power failure
- Open circuit detection
- Short circuit protection

Technical Specifications

Voltage	5-200 V in 1 V steps
Current	10-2000 mA in 1 mA steps
Maximum Wattage	200 W
Timer	0-999 minutes
Output Modes	Constant voltage or current
Output Jacks	4 in parallel, 4 mm
Indoor Use	4-40°C
Humidity	80%
Universal Voltage Input	100-240 VAC, 50/60 Hz
Unit Dimensions (w x h x d)	12.5 x 33.5 x 28 cm
Weight	2.4 kg
Safety Certifications	EN61010-1, CE

Ordering Information

Cat. #	Description
PS200HC	200 Volt High Current Power Supply, Universal VAC



Definitions

Constant Voltage Mode—the power supply will attempt to maintain the user selected voltage by automatically adjusting the current flow

Constant Current Mode—the power supply will attempt to maintain the user selected current flow by automatically adjusting the voltage supplied

Automatic Crossover—when the constant parameter (voltage or current) cannot be maintained due to power supply operating limits the power supply automatically switches to maintaining the other parameter

PS2A200 High Current Power Supply

The PS2A200 is ideal for large electrophoretic blotting applications and for low voltage electrophoresis runs where advanced features are required



- Constant voltage, constant current, or constant power mode with automatic crossover
- Maximum output: 200 V, 2000 mA, 200 W
- Programmable step function. Stores and recalls 3 protocols
- Choose from 4 timer options:
 - Continuous run
 - Set time run
 - Set time run followed by a hold at 5 volts
 - Set volt hour run
- Precise, reproducible settings and readouts in single unit increments (1 V, 1 mA, 1 W, and 1 min)
- Prints a log of run parameters through an RS232 port
- Automatic recovery after power failure
- Open circuit detection
- Short circuit protection

Technical Specifications

Voltage	1-200 V in 1 V steps
Current	1-2000 mA in 1 mA steps
Maximum Wattage	200 W
Timer	0-99:59 hr or 1-9999 Vhr
Output Modes	Constant voltage, current, or power
Output Jacks	2 in parallel, 4 mm
Indoor Use	4-40°C
Humidity	80%
Universal Voltage Input	100-240 VAC, 50/60 Hz
Unit Dimensions (w x h x d)	11 x 28 x 22 cm
Weight	2.2 kg
Safety Certifications	EN61010-1, UL3101-1, CSA22.2 1010.1, CE

Ordering Information

Cat. #	Description
PS2A200	PS2A200 Power Supply, Universal VAC

Definitions

Constant Voltage Mode—the power supply will attempt to maintain the user selected voltage by automatically adjusting the current flow

Constant Current Mode—the power supply will attempt to maintain the user selected current flow by automatically adjusting the voltage supplied

Automatic Crossover—when the constant parameter (voltage or current) cannot be maintained due to power supply operating limits the power supply automatically switches to maintaining the other parameter



EV265 Consort Power Supply

The EV265 is ideal for all electrophoresis and blotting techniques



- Constant voltage, constant current, or constant power mode with automatic crossover
- Maximum output: 600 V, 500 mA, 150 W
- Programmable step function. Stores and recalls as many as 9 sets of frequently used parameters
- Timer or volt-hour controlled with alarm
- Manual programming mode allows temporary changes to parameters without interrupting the run
- Precise, reproducible settings and readouts in single unit increments (1 V, 1 mA, 1 W, and 1 min)
- Integral data logger periodically stores output values including program number and step for up to 3600 points
- Prints a log of run parameters through an RS232 port
- Automatic recovery after power failure
- Open circuit detection
- Short circuit protection

Technical Specifications

Voltage	6-600 V in 1 V steps
Current	5-500 mA in 1 mA steps
Maximum Wattage	150 W
Timer	0-99:59 hr or 1-9999 Vhr
Display	LCD, 2 x 16 characters
Programs	9 protocols with up to 9 steps each
Output Modes	Constant voltage, current, or power
Output Jacks	4 in parallel, 4 mm
No Load Detection	Programmable
Indoor Use	4-40°C
Humidity	80%
Universal Voltage Input	100-240 VAC, 50/60 Hz
Unit Dimensions (w x h x d)	31 x 15 x 26 cm
Weight	5 kg
Safety Certifications	EN61010-1, CE

Ordering Information

Cat. #	Description
PS265-115V	EV265 Consort Power Supply 115 VAC
PS265-230V	EV265 Consort Power Supply, 230 VAC

Definitions

Constant Voltage Mode—the power supply will attempt to maintain the user selected voltage by automatically adjusting the current flow

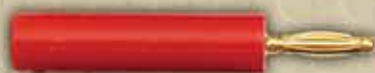
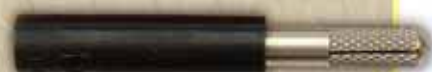
Constant Current Mode—the power supply will attempt to maintain the user selected current flow by automatically adjusting the voltage supplied

Automatic Crossover—when the constant parameter (voltage or current) cannot be maintained due to power supply operating limits the power supply automatically switches to maintaining the other parameter



Power Supply Adapters and High Voltage Leads

PSA410



PSA230

Hoefler electrophoresis equipment is designed to be compatible with the power supplies offered by Hoefler. Some issues may arise when the power supply in the laboratory is from a different manufacturer.

The PSA410 adapter is used to allow electrophoresis power supplies with 4 mm output jacks to accept Hoefler equipment with non-retractable shrouded 4 mm banana plugs (all Hoefler electrophoresis products except SUB series horizontals which do not require an adapter).

The PSA230 adapter is used to allow high voltage electrophoresis power supplies with 2 mm output jacks to accept all Hoefler electrophoresis equipment.

Please contact Hoefler Technical Support (support@hoeflerinc.com) if you have questions about power supply compatibility.

Ordering Information

Cat. #	Description
PSA410	4 mm-to-4 mm Power Supply Adapter
PSA230	2 mm-to-4 mm Power Supply Adapter



SE6056-HV

High Voltage Leads

All Hoefler electrophoresis equipment comes complete with high voltage leads. Replacement parts are available if required.



SUB-LEAD

Ordering Information

Cat. #	Description
SE6056-HV	Replacement High Voltage Leads
SUB-LEAD	SUB System High Voltage Leads