



OmniPAGE Power Supplies



	MINI		MIDI	MAXI	MAXI
	nanoPAC-300P	nanoPAC-500	powerPRO-300	powerPRO-500	powerPRO-3AMP
Output range					
Volts	10-300V	10-500V	2-300V	5-500V	5-300V
Current	10-400mA	10-400mA	1-700mA	1-800mA	10-3000mA
Power	60W max.	120W max.	150W	300W	300W
Resolution	1V / 1mA	1V / 1mA	1V / 1mA / 1mW	1V / 1mA / 1W	1V / 1mA / 1W
Type of output	constant voltage or constant current		constant voltage, constant current or constant power, programmable		
Automatic crossover	-	-	✓	✓	✓
Timer	1-999 min. with alarm; intensity continuous		constant mode: 1-9999 min. with alarm; continuous. programmable mode: 1-999 min. with alarm; continuous.		
Pause/resume function	✓	✓	✓	✓	✓
Display	3-digit LED	3-digit LED	2.4" LCD display	2.4" LCD display	2.4" LCD display
Programmable Methods	2 step-program	2 step-program	Up to 30 programmable files, each with 6 steps. Preset options for Cleaver gel tanks.		
Safety features	no load detection; shrouded plugs and sockets; over temperature protection; over load detection		no load detect; leakage detect; over temperature protection; over load detection; sudden load change detection (could be disabled by proper setting); shrouded plugs and sockets		
Operating conditions	ambient-40°C; ±95% humidity	ambient-40°C ; ±95% humidity	ambient-40°C; ±95% humidity	ambient-40°C ; ±95% humidity	ambient-40°C ; ±95% humidity
Stackable	X	X	✓	✓	✓
Number of output jacks	2 sets in parallel	2 sets in parallel	5 sets in parallel	5 sets in parallel	5 sets in parallel
Regulatory conformity	ETL, CE, FCC	ETL, CE, FCC	ETL, CE, FCC	ETL, CE, FCC	ETL, CE, FCC
Rated voltage	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC
Construction	polycarbonate housing with aluminium base		flame retardant ABS-plate design		
Dimensions (WxDxH)	140 x 191 x 84mm	140 x 191 x 84mm	215 x 335 x 104mm	215 x 335 x 104mm	215 x 335 x 104mm
Weight	1kg	1kg	2.1kg	2.1kg	2.1kg



POWERSUPPLIES

Whether you require a power supply for routine horizontal DNA agarose gel electrophoresis or techniques as technically demanding as SSCP analysis within a large format vertical, or first dimension IEF using IPG strips, Cleaver Scientific can meet your requirements with its comprehensive range of power supplies. Each power supply benefits from a small footprint area and compact design, while self-explanatory prompting menus facilitate easy set-up. Furthermore, these power supplies adhere to IEC 61010 – one of the world’s most stringent electrical safety standards.



POWERPRO

The PowerPro series of power supplies is a versatile range designed to power both multiSUB horizontal and omniPAGE vertical electrophoresis tanks.

Each power supply has a 2.4" LCD display showing the available options as well as current running conditions. Constant voltage, current and power options are available as well as pre-programmed or customer programmed conditions allowing users to save and repeat their experiments for exceptional reproducibility. The 5 power outlet pairs mean less power supplies are needed for the same number of tanks, saving cost and time when running multiple tanks simultaneously.

PowerPro 300 is perfect for our smaller tanks and can run up to 5 multiSUB MIDI units or omniPAGE Mini’s. For Higher voltage runs the PowerPro500 offers a maximum 500V output, perfect for the larger horizontal and vertical units. For blotting, where high current can be required, the PowerPro3AMP supplies a maximum 3000mA to allow multiple blots to process simultaneously.



KEY FEATURES

- Routine horizontal electrophoresis using multiSUB Mini, Midi and Choice.
- Vertical Electrophoresis using omniPAGE Mini.



TECHNICAL SPECIFICATIONS

Cat. No.	powerPRO300	powerPRO500	powerPRO3AMP
Max. Voltage	5 - 300V / 1V	5 - 500V / 1V	5 - 300V / 1V
Max. Current	1-700mA / 1mA	1-800mA / 1mA	10-3000mA / 10mA
Max. Watt	150W / 1W	300W / 1W	300W / 1W
Output Type	--- constant voltage / current / power ---		
Program	--- presetting; up to 6-step, 30 programmed files ---		
Timer	--- constant mode: 999 (min) with alarm ---		
Programmable mode:	--- 999 (min) with alarm ---		
Rated voltage	----- 100 - 240V -----		

ORDERING INFORMATION

powerPRO300 Midi Power Supply, 300V, 700mA, 150W	CSL-4-4	Power supply adapters, 4mm to 4mm
powerPRO500 Midi Power Supply, 500V, 400mA, 3000W	CSL-4-2	Power supply adapters, 4mm to 2mm
powerPRO3AMP Maxi Power Supply, 300V, 3000mA, 300W	CSL-2-4	Power supply adapters, 2mm to 4mm



POWERSUPPLIES

nanoPAC Mini

The new and improved nanoPAC Mini Power supply series comprises ultra-compact and economical units ideal for use with DNA/RNA (Horizontal) and protein (vertical) electrophoresis systems.

A simple two step feature which allows users to set a programmable change in voltage/current/time during the run provides increased versatility. Simply press MODE and program STEP 1 and STEP2 to the desired setting and then start and the nanoPAC will automatically run the steps in sequence.

With enhanced features, such as a maximum constant voltage up to 300 or 500V and maximum constant current output of 400mA they are capable of running all horizontal multiSUB™ systems and vertical omniPAGE™ mini. The nanoPAC-500 is also capable of running the VS10W & VS20WAVE vertical units, as well as horizontal and vertical gel tanks from other manufacturers. These can be set on a continuous run or timed setting up to 999 minutes. The nanoPAC's user-friendly interface is easily adjustable in 1V and 1mA increments, making it perfect for separations where precise settings are required. Two pairs of parallel power terminals, allows two electrophoresis units to be run simultaneously, saving time.



KEY FEATURES

- Ultra compact size saves bench space
- Enhanced in-built safety features
- Conspicuous 3-digit LED
- Alarm function
- Wipe-clean polycarbonate housing

Consort

All Consort Maxi Series (EV2xxx/EV3xxx) power supplies have four output terminals for up to four simultaneous runs. Powerful microprocessor control allows complex programming, while manual mode permits the setting of voltage, current, power and time for routine electrophoretic runs. The parameters may also be changed temporarily without interrupting the run.

EV2000 series -

is a high-end mid-power range suitable for most applications such as larger tanks or multiple smaller tanks. A robust 150W power supply in a small housing and designed to be easy to use.

EV3000 series -

This high-power, high-end power supply series has five versions. The 3000V and 6000V version have a special low current mode for IEF applications. small housing and designed to be easy to use.

KEY FEATURES

- Constant voltage, current or power
- Automatic crossover
- Overload Protection
- Short Circuit Protection



ORDERING INFORMATION

nanoPAC-300P	Mini Power Supply	300V	400mA	60W	CSL-4-4	Power supply adapters, 4mm to 4mm			
nanoPAC-500	Mini Power Supply	500V	400mA	120W	CSL-4-2	Power supply adapters, 4mm to 2mm			
					CSL-2-4	Power supply adapters, 2mm to 4mm			
EV2310	Consort Power Supply	300 V	1000 mA	150 watts	EV3610	Consort Power Supply	600 V	1000 mA	300 watts
EV2650	Consort Power Supply	600 V	500 mA	150 watts	EV3150	Consort Power Supply	1200 V	5000 mA	300 watts
EV2230	Consort Power Supply	1500 V	300 mA	150 watts	EV3330	Consort Power Supply	3000 V	300 mA	300 watts
EV2320	Consort Power Supply	3000 V	150 mA	150 watts	EV3620	Consort Power Supply	6000 V	150 mA	300 watts
EV3020	Consort Power Supply	300 V	2000 mA	300 watts					

Power Supply SELECTION GUIDE

	Apparatus	Gel Size/Sample Quantity	Recommended Power Supply
Horizontal Agarose Electrophoresis			
	multiSUB Midi	100 x 100 x 5mm, max.	nanoPAC300, nanoPAC500 or powerPRO300
	multiSUB Choice	150 x 150 x 5mm, max.	
	multiSUB Choice ST	150 x 250 x 5mm, max.	
	multiSUB Maxi	200 x 200 x 5mm, max.	
	multiSUB Screen	260 x 320 x 5mm, max.	
	mini Rapide	100 x 80 x 5mm max.	
	multiSUB Midi 96	100 x 120 x 5mm max.	
	multiSUB Mid 96 ST	101 x 240 x 5mm max.	
Polyacrylamide Vertical Gel Electrophoresis			
	omniPAGE Mini	80 x 85 x 1mm, 4 gels	nanoPAC300, nanoPAC500 or powerPRO300
	omniPAGE Mini Wide	160 x 85 x 1mm, 2 gels	
	omniPAGE WAVE Maxi	160 x 175 x 1mm, 2-4 gels	powerPRO500 or nanoPAC500
	omniPAGE Maxi Wide	280 x 200 x 1mm, 2 gels	powerPRO500
Western Blotting			
	omniBLOT Mini/Blotting Insert	80 x 85 x 1mm, 4 gels	powerPRO300 or powerPRO3AMP
	omniBLOT Mini Wide/Blotting Insert	160 x 85 x 1mm, 4 gels	
	omniBLOT Maxi/Blotting Insert	160 x 175 x 1mm, 4 gels	powerPRO300, powerPRO500 or powerPRO3AMP
	SD10 Mini	100 x 100 x 2/5mm, 1 gel	powerPRO3AMP
	SD20 Maxi	200 x 200 x 2/5mm, 1 gel	
Comet Assay, SCGE			
	COM10	25 x 75mm, 10 slides	nanoPAC300, nanoPAC500 or powerPRO300
	COM20	25 x 75mm, 20 slides	
	COM40	25 x 75mm, 40 slides	powerPRO300
	COMPAC-50	25 x 75mm, 50 slides	
Cellulose Acetate Electrophoresis			
	CSL-CELLAS	25 x 140mm–170 x 170mm, Cellasgel strips max. 250µm thickness; or CellasMEM membranes (all types)	nanoPAC300, nanoPAC500 or powerPRO300
IEF, first-dimension 2-D			
	CSL_IEF	3 x 240 x 1mm, max. 12 strips	EV2320
	Maxi Tube Gel	180 x 1/1.5mm tubes, 10 max.	EV3150
	Mini-Wide Tube Gel	80 x 1/1.5mm tubes	
	Mini Tube Gel	80 x 1/1.5mm tubes	
Large Format (Sequencing)			
	CSQ20	160 x 500 x 0.35mm	EV2230 or EV2320
	CSQ33	290 x 410 x 0.35mm	