

Consort Power Supplies

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

All Consort Maxi Series (EV200) Power Supplies except the EV243 have four output terminals to allow four simultaneous runs. Model EV243 Mini power supply has a smaller footprint and three output terminals. While the powerful microprocessor allows complex programming, the Manual mode permits the setting of voltage, current, power and time for a routine electrophoresis run. Parameters can be changed temporarily without interrupting the run.

Programming - up to 9 different programs, each with 9 steps, can be stored in the non-volatile memory for future recall.

Timer - can be set to automatically terminate the run and sound an alarm when the allocated time or volt hours has elapsed.

Automatic cross-over - each model has constant voltage, constant current and constant power capabilities with automatic cross-over while showing which parameter is kept constant.

Automatic recovery after mains failure - after restoration of power, the instrument will automatically continue the run for the remaining time.

Data Transfer - optional data acquisition/control software for PC is available to visualise and examine the stored run details, store and program the methods, add notes to the run, identify the unit, copy or delete programs in the unit's memory.

Safety precautions - the AC line is automatically disconnected from the high voltage transformer when a ground leakage path is detected protecting the user from potential shock. Other safety features include protection against any overload including accidental short circuit of the output and voltage increases smoothly.



EV200 Maxi series

Technical Specifications

maxi	Timer	0 - 99.59 mins
	Programs	9 of 9 sets each
	Outputs	4 in parallel, 4mm sockets
	Resolution	1V, 1mA, 1W
	Dimensions	31 x 26 x 15cm (W x L x H)
	Weight	10kg

Technical Specifications

mini	Timer	0 - 99.59 mins
	Programs	9 of 9 sets each
	Outputs	3 in parallel, 4mm sockets
	Resolution	1V, 1mA, 1W
	Dimensions	14 x 20 x 13cm (W x L x H)
	Weight	3kg

CONSORT MINI EV243

This Consort Mini power supply covers the ideal voltage range generally used with small electrophoresis units. Small enough to occupy very little bench space, it is portable and has a variety of additional features:-

Manual Set-up - voltage, current and power settings can be adjusted during the run.

Voltage ramp - this allows a linear voltage gradient for any step to be programmed.

Automatic recovery after power failure.

Data-logging, Transfer and Remote control.

Storage of the run progression - stores the run progression details and allows analysis by transfer of data to a PC. The power supply can additionally be controlled by a PC.

Ordering Information

EV243	Consort Power Supply	400 V	300mA	50 watts	EV215 (E815)	Consort Power Supply	1200 V	500 mA	300 watts
EV231 (E831)	Consort Power Supply	300 V	1000 mA	150 watts	EV232 (E832)	Consort Power Supply	3000 V	150 mA	150 watts
EV202 (E802)	Consort Power Supply	300 V	2000 mA	300 watts	EV233 (E833)	Consort Power Supply	3000 V	300 mA	300 watts
EV265 (E865)	Consort Power Supply	600 V	500 mA	150 watts	EV262 (E862)	Consort Power Supply	6000 V	150 mA	300 watts
EV261 (E861)	Consort Power Supply	600 V	1000 mA	300 watts					

For 110 V AC, please add '-S' as a suffix to the appropriate code

Product Selector	Application	CSL Units	Power Supply
	Horizontal	miniRapide, multiSUB mini, multiSUB midi, multiSUB choice, COMET Assay, multiSUB maxi, multiSUB screen, Cellulose Acetate System	MP-250; MP-300; EV243
	Vertical and Modular	omniPAGE Mini Vertical omniPAGE Maxi and VS30 Vertical and Maxi and VS30 Modular Blotters omniPAGE Mini and Maxi 2-D and Complete Modular Systems	MP-250; MP-300; EV243 EV261; EV215 EV215
	Blotters	Mini TankBlot, Modular Blot and Mini Semi Dry Blot Maxi TankBlot, Modular Blot and Maxi Semi Dry Blot	MP-250; MP-300; EV202; MP-2AP MP-2AP; EV202; EV261
	Large Format Verticals	20cm and 35cm wide Large Format Verticals, IEF Flatbed System	MP-2000P; EV232; EV233; EV262