

Consort power supplies

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

All Consort Maxi Series (EV200) 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.

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

CONSORT MINI EV222 AND EV243

The Consort Mini EV222 and EV243 power supplies are ideally suited for use with small electrophoresis units. Both power supplies, which occupy little space within the laboratory, are portable and have several other 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 at any step.

Automatic recovery after power failure.

3 output terminals.

The EV243 also benefits from 9 different programs, each with 9 steps; data-logging and data transfer to a PC, and PC remote control.

Technical Specifications

TIMER	0 - 99.59 HOURS
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 MAX.

Technical Specifications

TIMER	0 - 99.59 HOURS
PROGRAMS	EV222: 1 SET; EV243: 9 OF 9 SETS
OUTPUTS	3 IN PARALLEL, 4MM SOCKETS
RESOLUTION	1V, 1mA, 1W
DIMENSIONS	24 x 20 x 13CM (W x L x H)
WEIGHT	3KG MAX.

Ordering Information

EV222	Consort Power Supply	200 V	200 mA	20 watts	EV261	Consort Power Supply	600 V	1000 mA	300 watts
EV243	Consort Power Supply	400 V	300 mA	50 watts	EV215	Consort Power Supply	1200 V	500 mA	300 watts
EV231	Consort Power Supply	300 V	1000 mA	150 watts	EV232	Consort Power Supply	3000 V	150 mA	150 watts
EV202	Consort Power Supply	300 V	2000 mA	300 watts	EV233	Consort Power Supply	3000 V	300 mA	300 watts
EV265	Consort Power Supply	600 V	500 mA	150 watts	EV262	Consort Power Supply	6000 V	150 mA	300 watts

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

Application	CSL Units	Power Supply
HORIZONTAL	MINIRAPIDE, MULTISUB MINI, MULTISUB MIDI, MULTISUB CHOICE, COMET ASSAY, MULTISUB MAXI, MULTISUB SCREEN, CELLULOSE ACETATE SYSTEM	CS-250V; CS-300V; 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	CS-250V; CS-300V; EV243 EV261; EV215 EV215
BLOTTERS	MINI TANKBLOT, MODULAR BLOT AND MINI SEMI DRY BLOT MAXI TANKBLOT, MODULAR BLOT AND MAXI SEMI DRY BLOT	CS-250V; CS-300V; EV202 CS-3AMP; EV202; EV261
LARGE FORMAT VERTICALS	20CM AND 35CM WIDE LARGE FORMAT VERTICALS, IEF FLATBED SYSTEM	EV232; EV233; EV262