

powerpoint

- CONSTANT VOLTAGE, CURRENT OR POWER
- AUTOMATIC CROSSOVER
- OVERLOAD PROTECTION
- SHORT CIRCUIT PROTECTION

CONSORT POWER SUPPLIES

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

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.

Technical Specifications

Maxi	
TIMER	0 - 99.99 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 - 99.99 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

ORDERING INFORMATION

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	EV243	Consort Power Supply	400 V	300mA	50 watts
EV215 (E815)	Consort Power Supply	1200 V	500 mA	300 watts					

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

* FORMER CODES OF CONSORT SHOWN IN BRACKETS

PRODUCTS SELECTOR

	MP-100EP	MP-150EP	MP-250	MP-300	EV243	EV231	EV265	MP-500P	MP-2AP	EV202	EV261	EV215	MP-2000P	EV232	EV233	EV262
	100V 400mA 40W	150V 400mA 60W	250V 400mA 100W	300V 400mA 100W	400V 300mA 50W	300V 1000mA 150W	600V 500mA 150W	500V 400mA 200W	200V 200mA 200W	300V 2000mA 300W	600V 1000mA 300W	1200V 500mA 300W	2000V 300mA 200W	3000V 150mA 150W	3000V 300mA 300W	6000V 150mA 300W
multiSUB Horizontal, all models	✓	✓	✓	✓	✓	●	●	●	●	●	●	●	●	●	●	●
COMET Assay			✓	✓	✓	●	●	●	●	●	●	●	●	●	●	●
Cellulose Acetate System			✓	✓	✓											
omniPAGE Mini, Mini Wide			✓	✓	✓	●	✓	✓	●	●	●	●	●	●	●	●
omniPAGE Maxi							●	●			✓	✓	✓			
Tube Gel IEF, Mini, Mini Wide & Maxi											●	✓	✓			
Flatbed IEF												✓	✓	✓	✓	✓
Second Stage 2-D													✓	✓	✓	✓
Electroblotting, Mini, Mini Wide		✓	✓	✓	✓	✓		✓	✓	✓	✓					
Electroblotting, Maxi									✓	✓	●					
Semi-Dry Blotting, Mini		✓	✓	✓	●			✓	✓	✓	✓					
Semi-Dry Blotting, Maxi								✓	✓	✓	✓					
Large Format, 20 and 33 wide													✓	✓	✓	✓

✓ Recommended

● Can be used but not ideally matched

POWERPOINT MAXi Programmable Power Supplies are high performance, easy to operate instruments, which can handle virtually any application from high voltage electrophoresis to high current blotting. Offering both graphic and text displays, POWERPOINT MAXis are completely programmable with self prompting menus and multiple operation modes.

Versatile: three models are available offering maximum output capability from 500V to 2000V, 400mA to 2A and 200 watts. These units are suitable for running multiple SDS gels, blotting and large submarine gels.

Fully Programmable: system parameter entry is via the membrane keypad. They can be programmed to recall and run constant or multi-step electrophoresis in a variety of operational modes :

1. Constant operation with timer - program constant voltage, current or wattage with timer to eliminate the possibility of over running samples in gels.
2. Memory mode - Store 16 files to recall and re-run favourite multi step programmes



Display: POWERPOINT MAXi power supplies have large, 128 x 64 dot matrix display screens, allowing both graphic and text visualisation. Set parameters will be displayed continuously compared with actual run conditions. This can be viewed by touching 'select display' key.

Safety: POWERPOINT MAXi models meet all relevant safety standards to protect both the operator and the instrument. The alarm will sound in event of ground leakage, no load or overload.

- HIGH PERFORMANCE, EASY TO OPERATE
- GRAPHIC AND TEXT DISPLAYS
- COMPLETELY PROGRAMMABLE
- PROGRAMME CONSTANT VOLTAGE AND CURRENT
- MEMORY MODE - STORES 16 FILES TO RECALL AND RE-RUN
- SAFETY - COMPLY TO ALL RELEVANT SAFETY STANDARDS

Technical Specifications

Cat. No.	MP-500P	MP-2000P	MP-2AP
MAX. VOLTAGE	500V	2000V	200V
MAX. CURRENT	400mA	300mA	2A
MAX. WATT	200W	200W	200W
OUTPUT TYPE	CONSTANT VOLTAGES ; CONSTANT CURRENT ; OR CONSTANT WATT		
PROGRAM STORAGE	---- 16 PROGRAMMED FILES ----		
PROGRAM MULTI-STEP	---- UP TO 6 STEPS ----		
TIMER	---- 1-999 MINS ----		
DISPLAY	-- 28 x 64 DOT MATRIX DISPLAY SCREEN --		
SAFETY	---- NO LOAD ; LEAKAGE AND ---- OVERLOAD DETECTION		
DIMENSIONS	18 (w) x 28 (L) x 14 (H) CM		
OPERATION VOLTAGES	110 / 220V		



Midi MP-250 and MP-300

MIDI POWERPOINT

- PROGRAMME CONSTANT VOLTAGE AND CURRENT
- ALARM CAN BE SET AT THE END OF PROGRAM
- AUTO CUT-OFF FUNCTION

These inexpensive, compact POWERPOINT MIDI power supplies are ideal for routine horizontal and mini vertical electrophoresis. Microprocessor control allows user-programming, up to ten programs, and can be set-up to run in constant voltage and constant current modes. Two gel chambers can be connected at any one time. An optional timer can be set to end the run and sound an alarm. Safety features include shrouded plugs and sockets, no load detection and ground leakage detection.

Technical Specifications

Cat. No.	MP-250N	MP-300N
MAX. VOLTAGE	250V	300V
MAX. CURRENT	400mA	400mA
MAX. WATT	100W	100W
OUTPUT TYPE	CONSTANT VOLTAGE OR CURRENT	
PROGRAM STORAGE	10 METHODS	10 METHODS
TIMER	1-999 MINS	1-999 MINS
DIMENSION	W16 (w) x 14 (L) x 7 (H) CM	
OPERATION VOLTAGES	110 / 220V	



MP-100EP and MP-150EP

MINI POWERPOINT

- COMPACT
- SAFETY DESIGN : SHROUDED PLUG AND SOCKET; NO LOAD DETECTION
- CONSTANT VOLTAGE
- LOW COST AND ECONOMICAL

POWERPOINT MINI power supplies have been developed specifically for horizontal gel electrophoresis systems. These ultra compact power units with single outlets, are recognised as being amongst the most compact and inexpensive power supplies currently available. They are designed and constructed to the most rigorous safety standards.

Technical Specifications

Cat. No.	MP-100EP	MP-150EP
MAX. VOLTAGE	100V	150V
MAX. CURRENT	400mA	400mA
MAX. WATT	40W	60W
OUTPUT TYPE	25; 50; 75 & 100V	75; 100; 125 & 150V
SAFETY	---- NO LOAD DETECTION ----	
DIMENSION	10.5 (w) x 15 (L) x 7.5 (H) CM	
OPERATION VOLTAGE	110 / 220V	

ORDERING INFORMATION

MP-100EP	PowerPoint, MINi 100	100V	400mA	40W	BCAB	Replacement Cables, pk/2
MP-150EP	PowerPoint, MINi 150	150V	400mA	60W	BCAB2	Replacement CSQ unit cables, pk/2
MP-250	PowerPoint, MIDi 250	250 V	400 mA	100W	PC4-4	Power supply adapters, 4mm to 4mm
MP-300	PowerPoint, MIDi 300	300V	400mA	100W	BC4-2	Power supply adapters, 4mm to 2mm
MP-500P	PowerPoint MAXi 500	500V	400mA	200W	BC2-4	Power supply adapters, 2mm to 4mm
MP-2000P	PowerPoint MAXi 2000	2000V	300mA	200W		
MP-2AP	PowerPoint MAXi 200	200V	2000mA	200W		