



2016 Catalogue

Innovative Life Sciences Tools

Power Supply

Handy 100V Power Supply MP-100

The Handy 100V Power Supply is specifically designed for DNA and RNA electrophoresis.

It allows for two constant voltages of either 50V or 100V.

The low cost, light weight and small foot print make it perfect for teaching labs as well as routine electrophoresis use.

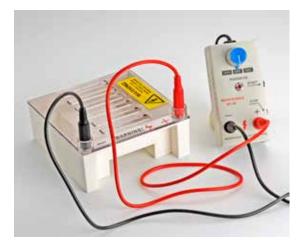
It can be purchased individually or in packages with horizontal gel electrophoresis systems to be more economical.





Features

- 50V or 100V constant voltage output
- 400mA maximum current
- 40W maximum power
- Safety device
- Ultra compact size and lightweight
- Developed specifically for DNA and RNA electrophoresis
- Great value at very competitive pricing
- Bundled package with MJ-105-S, MJ-105-R, and MT-108





Specifications

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Cat. No.	MP-100	
Output voltage	50V/ 100V	
Output current	400mA	
Output power	40W	
Output type	Constant voltage	
Voltage selection	50V and 100V	
Safety device	No-load detection; shrouded plugs and sockets	
Operation temperature	4°C - 40°C	
Dimension (WxLxH)	2.36"x1.57"x4.72" (60x40x120mm)	
Terminal pairs	1 pair	
Material	Polycarbonate (PC)	
Weight	Approx. 0.6lb (0.3kg)	
Rated voltage	100 - 120V only	

Ordering Information

Cat. No.	Proudct Description
MP-100	Handy 100V Power Supply

Bundle Packages

Electrophoresis Package	Proudct Description
MJS-100P	Package of MJ-105-S and MP-100
MJR-100P	Package of MJ-105-R and MP-100
MT-100P	Package of MT-108 and MP-100



MJS-100P

MJR-100P

MT-100P

Mini Pro 300V / 500V Power Supply Mini-300

Mini-300 Mini-500

Featuring in small size and versatility, the newly designed Mini Pro 300V / 500V Power Supply are ideal choices for any researchers. Capable of providing constant voltage or current in 1V or 1mA increment, the unit is perfectly suitable to run both vertical polyacrylamide or horizontal agarose gel electrophoresis experiments. Continuous or timed operation can be easily set up using the simple and user-friendly interface. Mini Pro 300V and 500V both feature 2 electrode pairs, allowing 2 gels to be run simultaneously, saving both time and valuable bench space. With an universal voltage rating, Mini Pro 300V and 500V are also designed and constructed to the most rigorous safety standards. Package including single or dual horizontal electrophoresis system and mini vertical electrophoresis system are excellent choices for educational or person lab purposes.





Features

- Constant voltage or constant current operation
- 1V increment voltage control; 1mA increment current control
- Max 300V, 400mA and 60W for Mini Pro 300V
- Max 500V, 400mA and 120W for Mini Pro 500V
- Two pairs of outlet terminals
- Timer with alarm function
- Safety device
- · Compact size and lightweight
- Competitive pricing choice
- Packages with midi sized horizontal electrophoresis systems and vertical electrophoresis systems



Mini 500V



MJS-Mini300



MT-Mini300



MJSS-Mini300



MJST-Mini300



ME7-Mini300



ME10-Mini300



ME15-Mini300



MV10-Mini300

Specifications

Cat. No.	Mini-300	Mini-500
Output voltage / Inc.	10 - 300V / 1V	10 - 500V / 1V
Output current / Inc.	10 - 400mA / 1mA	10 - 400mA / 1mA
Output power	60W	120W
Output type	Constant voltage or constant current	
Control	Microprocessor controller	
Terminal pairs	2 Pairs	
Timer	999 (min) with alarm / Continuous	
Safety device	No-load detection; shrouded plugs and sockets	
Operation temperature	4°C to 40°C	
Dimension (WxLxH)	5.51"x7.52"x3.31" (140x191x84mm)	
Material	Polycarbonate housing and aluminum base plates	
Weight	Approx. 2.2lb (1kg)	
Rated voltage	Universal, 100 - 240V	
Application	Sufficient for midi sized horizontal and vertical electrophoresis systems	
Program	N/A	2-step (V, mA, 🕥)

Ordering Information

Cat. No.	Product Description
Mini-300	Mini Pro 300V Power Supply
Mini-500	Mini Pro 500V Power Supply

Bundle Packages

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Single electrophoresi	s packages
MJS-Mini300	Package of MJ-105-S and Mini-300
MJR-Mini300	Package of MJ-105-R and Mini-300
MT-Mini300	Package of MT-108 and Mini-300
ME7-Mini300	Package of ME7-7-10 and Mini-300
ME10-Mini300	Package of ME10-7-10 and Mini-300
ME15-Mini300	Package of ME15-7-10-15 and Mini-300
MV10-Mini300	Package of MV-10DSYS and Mini-300
Dual electrophoresis	packages
MJSS-Mini300	Package of 2 x MJ-105-S and Mini-300
MJRR-Mini300	Package of 2 x MJ-105-R and Mini-300
MTT-Mini300	Package of 2 x MT-108 and Mini-300
MJSR-Mini300	Package of MJ-105-S & MJ-105-R and Mini-300
MJST-Mini300	Package of MJ-105-S & MT-108 and Mini-300
MJRT-Mini300	Package of MJ-105-R & MT-108 and Mini-300
Mini500-CP-02	Complete Package of Mini Pro 500V Power Supply and Maxi Plus Vertical Electrophoresis System
Mini500-CP-03	Complete Package of Mini Pro 500V Power Supply and Maxi Wave Vertical Electrophoresis System





Mini500-CP-02

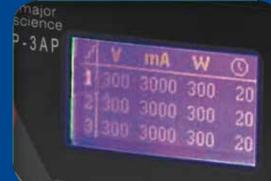
Mini500-CP-03

MS 300V series /500V/3AP Power Supply

MP-300V MP-500V MP-3AP



Major Science offers 3 models of power supplies constructed with microprocessor controller with 4 pairs of outlet terminals which covers the broadest range of applications in general laboratory. The microprocessor control offers easy-to-use operation on constant voltage, current and power while maintaining the pause/resume capability during timed or continuous operation. MP-300V is powerful enough to perform horizontal and vertical electrophoresis as well as two-dimentional electrophoresis SDS-PAGE applications. For more advanced applications, MP-500V and MP-3AP operate with a fully programmable mode and offering up to 6 multi-step setting conditions, the 2.6" LCD screen also allows you to see all the running/setting conditions while operating. All 3 models consist the great safety features to ensure safety of the lab and experiment.



Features

- Four pairs of outlet terminals
- Timer with alarm function
- 2.6" LCD screen shows all parameters during operation (MP-500V and MP-3AP)
- Constant voltage/current operation mode (MP-300V)
- Constant voltage/current/power operation mode (MP-500V and MP-3AP)
- Compact size with stackable case
- Wide applications for DNA, RNA and protein electrophoresis and blotting
- Advanced safety device design
- Universal rated voltage for worldwide distributions

MP-3AP

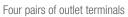
Specification

Cat. No.	MP-300V	MP-500V	MP-3AP
Display	LED 2.6"LCD		"LCD
Output voltage / Inc.	2 - 300V / 1V	5 - 500V / 1V	5 - 300V / 1V
Output current / Inc.	1 - 700mA / 1mA	1 - 800mA / 1mA	10 - 3000mA / 10mA
Output power / Inc.	150W 300W / 1W		V/1W
Output type	Constant voltage / Current	Constant voltage / Current / Power	
Controller	Microprocessor controller		
Program storage	N / A 30 programmed files		ammed files
Program	N/A	Up to 6-step (V, mA, W, 🕥)	
Terminal pairs	4 Pairs		
Timer	Constant mode:9999 (min) with alarm / Continuous		
	N/A	· · · · · · · · · · · · · · · · · · ·	(min) with alarm / Continuous
Pause function	Yes		
	No-load detection		
	Leakage detection		
Safety device	Sudden load change detection		
Darcty device	Over temperature protection		
	Overload detection		
	Shrouded plug and sockets		
Crossover	Yes		
Operation temperature	4°C to 40°C		
Dimension (WxLxH)	7.48"x12.01"x3.74" (190x305x95mm)		
Material	Flame retardant ABS plates and aluminum		
Weight	Approx. 5.5lb (2.5kg)		
Rated voltage	100V - 240V		
Stackable	Yes		

Ordering Information

Cat. No.	Product Description
MP-300V	MS 300V Power Supply
MP-500V	MS 500V Power Supply
MP-3AP	MS 3AP Power Supply







Stackable case

<image>

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