

Mini Pro 300V / 500V Power Supply

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. Moreover, the upgraded 2 step programmable function is more practical for protein electrophoresis. 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
- 2 step programmable control



MINI-500



2 step programmable control

Specifications

Cat. No.	MINI-300	MINI-500
Output Voltage / Inc.	Step1: 10 - 300V / 1V Step2: 10 - 300V / 1V	Step1: 10 - 500V / 1V Step2: 10 - 500V / 1V
Output Current / Inc.	Step1: 10 - 400mA / 1mA Step2: 10 - 400mA / 1mA	Step1: 1 - 400mA / 1mA Step2: 1 - 400mA / 1mA
Power	60W	120W
Output Type	Constant voltage or constant current	
Control	Microprocessor controller	
Terminal Pairs	2 pairs	
Timer	999 (min) with alarm / continuous (set=0)	
Safety Device	No load detection; shrouded plugs and sockets	
Operation Temperature	4°C - 40°C	
Dimension (WxLxH)	Approx. 5.5" x 7.5" x 3.3" (140x191x84mm)	
Material	Polycarbonate housing and aluminum base plates	
Weight	Approx. 2.2lb (1kg)	
Rated Voltage	100 - 240V~, 50-60Hz, 2A	100 - 240V~, 50-60Hz, 2.5A
Program	2-STEP Program	
Presetting Value	STEP1(V: 300V); STEP2(V: 300V) STEP1(A: 16mA); STEP2(A: 24mA) STEP1(T: 15min); STEP2(T: 120min)	STEP1(V: 500V); STEP2(V: 500V) STEP1(A: 16mA); STEP2(A: 24mA) STEP1(T: 30min); STEP2(T: 240min)
	*if time is set 0, system will keep running until user manually stops.	
	*If voltage or current is set 0 in step 2, system will not proceed to step 2.	

Ordering Information

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



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* Technical specifications subject to change without notice.

Lively 300V/ 500V/ 3AP Power Supply

MP-310
MP-510
MP-320

Major Science offers 3 models of power supplies constructed with microprocessor controller and 4 pairs of outlet terminals which covers the broadest range of application in general laboratory. The microprocessor control can perform either continuous or timed output, and user is able to pause and resume anytime without resetting the timer.

MS Lively Power Supply is power enough to perform horizontal and vertical electrophoresis as well as two dimensional electrophoresis SDS-PAGE applications. In addition, it can operate with a fully programmable mode and offer up to 6 multi-step setting conditions. The 2.4" TFT-LCD colored screen also allows you to see all the running/setting conditions while operating. For those beginners in electrophoresis, the built-in data for some typical running condition could be extremely helpful. All 3 models are designed with great safety features to ensure safety of the lab and experiment.



MP-310



MP-510



MP-320

Features

- Four pairs of output terminals
- 2.4" TFT-LCD colored screen shows all parameters during operation
- Timer with alarm function
- Compact size with stackable case
- Constant voltage/ current/ power operation mode
- Typical running condition helps electrophoresis beginner
- Wide application for DNA, RNA and protein electrophoresis and blotting
- Advanced safety device design
- Universal rated voltage for worldwide distributions

Specifications

Cat. No.	MP-310	MP-320	MP-510
Output Voltage / Inc.	5 - 300V / 1V	5 - 300 / 1V	5 - 500 / 1V
Output Current / Inc.	1 - 700mA / 1mA	10 - 3,000mA / 10mA	1 - 800mA / 10mA
Power	Output: 150W; Input: 200W	300W	300W
Rated Voltage	100-240V~; 47-60Hz	100-240V~; 47-60Hz	100-240V~; 47-60Hz
Type Of Output	1. Voltage or Current with automatic crossover 2. When target constant mode is set, system automatically adjusts the two other parameter to maximum to allow constant run (later could be changed by user)	1. Voltage or Current with automatic crossover 2. When target constant mode is set, system automatically adjusts the two other parameter to maximum to allow constant run (later could be changed by user)	1. Voltage or Current with automatic crossover 2. When target constant mode is set, system automatically adjusts the two other parameter to maximum to allow constant run (later could be changed by user)
Program Storage		30 programmed files	
Program Multi-Step		Up to 6 steps	
Editable Program Function	1.Typical running conditions program 2.Manual editable program	1.Typical running conditions program 2.Manual editable program	1.Typical running conditions program 2.Manual editable program
Display		2.4" TFT	
Control		Micropressor controller	
		No Load detect	
		Leakage detect	
Safety Device		Over temperature protection	
		Over load detection	
		Sudden load change detection(could be enabled by proper setting)	
		Shrouded plugs and sockets	
Timer		Constant: 9999 (min) with alarm / continuous	
		Program: 999 (min) with alarm / continuous	
Crossover		YES	
Stackable		YES	
Automatic Recovery After Power Failure		YES	
Operating Temperature		4°C- 40°C	
Construction Material		PC housing and flame retardant ABS faceplate	
Dimension (WxLxH)		Approx. 8.5"x13.2"x4.1" (215x335x104mm)	
Weight		Approx. 4.6lb (2.1kg)	

Ordering Information

Cat. No.	Product Description
MP-310	Lively 300V Power Supply
MP-320	Lively 3AP Power Supply
MP-510	Lively 500V Power Supply



Four pairs of outlet terminals



Stackable case

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