

Electrophoresis apparatus power supply

Model: EPS-AST600D



Product Introduction:

This product mainly provides a high-precision, high-stability, and high-repeatability power supply for electrophoresis apparatus. It features a three-constant control mode of constant voltage, constant current, and constant power, and can be used for various electrophoresis experiments such as horizontal, vertical, blot transfer, and two-dimensional electrophoresis.

Features

- ◇ Output Types: Constant Voltage, Constant Current, Constant Power

- ◇ Wide Compatibility: Compatible with international and domestic electrophoresis tanks from Bio-Rad, Thermo Fisher Scientific, and 61M, etc.

- ◇ One-Click Setup: One-click setup for protein functions; automatic power connection to separating gel after stacking gel, reducing the hassle of manual resetting.

- ★ Intelligent Three Constants: Set any constant value (constant voltage, constant current, or constant power), with maximum limits on the other two indicators, achieving dynamic three constants and preventing over-limiting.

- ◇ Microcurrent Maintenance: Automatically switches to microcurrent after electrophoresis to prevent sample diffusion and sample overrun when the lab is unoccupied and the timer is turned off.

- ★ Wide Power Input: AC110V-240V 50/60Hz, wide power input range for greater stability.
- ★ Large Screen Display: 4.3-inch touchscreen; touch operation; simultaneous display of voltage, current, power, and timer; allows viewing of preset and actual output values simultaneously.
- ★ Timing Direction: Selectable timing direction; can be used for forward or countdown. Easy to use: The user-friendly interface makes operation as simple as using a mobile phone.
- ★ Power outage recovery: After a power outage, the power supply automatically remembers the state at that time and automatically restores the electrophoretic state before the power outage when power is restored.
- ★ Space-saving: Stackable, pop-up stand for easy observation
- ◇ Parallel electrophoresis: 4 sets in parallel, capable of powering multiple electrophoresis tanks simultaneously
- ◇ Automatic memory: Features automatic memory and automatic shutdown functions

- ★ Method storage: Programmable storage of 30 methods, each containing up to 10 steps
- ◇ Safety features: Overvoltage, arc, no-load, and sudden load change monitoring; overload/short circuit monitoring; leakage protection; open circuit alarm.

Technical Specifications

Output Type	Constant voltage, constant current, and constant power output (continuously adjustable)
Output Range (Resolution)	5-600V(0.1V)、4-800mA(0.1mA)、1-300W(0.1W)
Timing Range	1 minute to 99 hours 59 minutes
Display	4.3-inch backlit LCD screen (480×272 pixels, 262K colors)
Output Jacks	4 (groups)
Input Power	AC110V-240V 50/60Hz
Ambient Temperature	Temperature: 4-40°C, Humidity: 0-95%RH
Air Pressure	60-106 kPa, maximum altitude 2100 meters
Dimensions (L×W×H)	377×270×122mm
Net Weight	3.5kg

Configuration List

Serial Number	Code	Name	Unit	Quantity
1	14020101	Standard electrophoresis apparatus power supply	piece	1
2	14010201	Power cord	piece	1