

# ETP-A Series DC Stabilized Power Supply

## Summary

This series of adjustable DC stabilized power supply is a single output DC stabilized power supply with four digits LED digital display. It can simultaneously display voltage, current; Constant voltage (CV), constant current (CC) mode automatic switching, voltage and current can be continuously adjusted; Using advanced switching power control technology and components, high efficiency, light weight, energy saving and environmental protection.

### 1. 1 Function Features

- LED digital display, 4 digits display of voltage, and current
- Auto switching mode between CV and CC, indicator light prompt
- Over voltage, over current, over power, over temperature protection
- Shortcut parameter storage/call function
- Communication port: RS232 to realize the remote control
- Intelligent cooling fan with energy saving
- Encoder adjustment, the specified numbers can be adjusted accurately



# Performance Index

Index Model	ETP 1503A	ETP 1506A	ETP 3003A	ETP 3005A	ETP 3010A	ETP 6003A	ETP 6005A
Output voltage	0~15V	0~15V	0~30V	0~30V	0~30V	0~60V	0~60V
Output current	0~3A	0~6A	0~3A	0~5A	0~10A	0~3A	0~5A
Stabilized Voltage status	Voltage stability: $\leq 0.1\% \pm 3\text{mV}$ ; Load stability: $\leq 0.1\% \pm 3\text{mA}$						
Stabilized Current status	Current stability: $\leq 0.1\% \pm 3\text{mV}$ Load stability: $\leq 0.1\% \pm 3\text{mA}$						
Display accuracy	Voltage: $0.5\% \pm 3\text{ readings}$ Current: $0.5\% \pm 3\text{ readings}$						
Ripple and noise	VPP $\leq 1\%$						
Display Resolution	Voltage: max 10mV; Current: Max 1mA; Power: Max 10mW						
Display method	4 digits red LED display, 0.40 inches						
Power supply	AC 220V $\pm 10\%$ /50Hz or AC 110V $\pm 10\%$ /60Hz(if 110V, users need to talk to factory in advance)						
Operation environment	Indoor, attitude: $\leq 2000\text{m}$ , temperature: $5\sim 40^{\circ}\text{C}$ , humidity: 10~85%RH						
Storage environment	Temperature: $-20\sim 80^{\circ}\text{C}$ , humidity: $\leq 80\%\text{RH}$						
Dimension	190mm* 70mm* 130mm (L*W*H)						
Weight	Net weight 1.1kg						
Fuse specification	3A						

**Note:** The above parameters are measured at the ambient temperature of  $25\pm 5^{\circ}\text{C}$ , relative humidity  $< 80\%\text{RH}$ , and preheating for 30 minutes. Actual parameters may vary slightly.

## Accessories and Others

### Accessories

Use manual  $\times 1$

Qualified certificate  $\times 1$

Power plug  $\times 1$

### Communication

①Communication parameter

Baud rate: 9600

Start bit: 1

Data bit: 8

Calibration bit: /

Stop bit: 1

Footer: 0x0A(newline) or 0x0D0A(CRLF)

## ②Cable connection

The product provides users with RS232 communication mode. The DB9 female connector has two TXD pins, three RXD pins, and five GND pins.