ETP-B Series DC Stabilized Power Supply

ETP-B Series — Single Output



OVERVIEW

The ETP-B series is a single-output adjustable DC stabilized power supply with a four-digit LED display showing voltage and current simultaneously. Constant-voltage (CV) and constant-current (CC) modes switch automatically, and voltage and current are continuously adjustable. Advanced switch-mode control technology and components give high efficiency, light weight, energy saving and environmentally friendly operation. A 5 V / 2 A USB fast-charge function is available as an option.

FEATURES

- Four-digit LED digital display of voltage, current and power
- CV / CC modes switch automatically, with status indicator lights
- Over-voltage, over-current, over-power and over-temperature protection
- Best display resolution 10 mV / 1 mA / 10 mW
- 3 groups of shortcut parameter storage and recall
- RS232 communication interface fitted as standard, for remote control
- SCPI programming protocol supported; RS485 address settable internally
- Intelligent temperature-controlled fan — energy saving
- Keypad and encoder adjustment — set each digit precisely
- 5 V / 2 A USB fast-charge function (optional)

SPECIFICATIONS BY MODEL

Model	Output Voltage	Output Current	Output Power
ETP1506B	0–15 V	0–6 A	90 W
ETP1520B	0–15 V	0–20 A	300 W
ETP3005B	0–30 V	0–5 A	150 W
ETP3010B	0–30 V	0–10 A	300 W
ETP6003B	0–60 V	0–3 A	180 W
ETP6005B	0–60 V	0–5 A	300 W

Model	Output Voltage	Output Current	Output Power
ETP10003B	0–100 V	0–3 A	300 W
ETP15002B	0–150 V	0–2 A	300 W

TECHNICAL INDEX

Stabilized voltage state	Voltage stability: ≤ 0.1 % ± 3 mV · Load stability: ≤ 0.1 % ± 3 mV
Stabilized current state	Current stability: ≤ 0.1 % ± 3 mA · Load stability: ≤ 0.1 % ± 3 mA
Display accuracy	Voltage: 0.5 % ± 3 readings · Current: 0.5 % ± 3 readings
Ripple and noise	VPP ≤ 1 %
Display resolution	Voltage: max. 10 mV · Current: max. 1 mA · Power: max. 10 mW
Display method	4-digit red LED display, 0.56 inch
Power supply	AC 220 V ±10 % / 50 Hz, or AC 110 V ±10 % / 60 Hz (for 110 V, please notify the factory in advance)
Operating environment	Indoor; altitude ≤ 2000 m; temperature 5–40 °C; humidity 10–85 % RH
Storage environment	Temperature −20 to 80 °C; humidity ≤ 80 % RH
Dimensions	190 × 115 × 150 mm (L × W × H)
Weight	Net weight 1.3 kg
Fuse specification	3 A
Communication	Standard port: RS232 · Optional ports: USB / RS485 · Baud rate 9600, 1 start bit, 8 data bits, 1 stop bit
Accessories	User manual × 1, qualified certificate × 1, power plug × 1

The above parameters are measured at an ambient temperature of 25 ± 5 °C, relative humidity < 80 % RH, after 30 minutes of preheating. Actual parameters may vary slightly.