

Digital Power Supply

Dual Output



Features:

- Quad Independent DC Output
- Four LED Display with 3 digits, selectable for two sets output voltage and current display simultaneously
- Auto series, parallel and tracking operation
- Constant voltage and constant current operation
- Low ripple and noise
- Overload and reverse polarity protection
- Selectable for continuous / dynamic load
- Output enable / disable control
- Rotation speed of the fan is controlled by heatsink temperature
- Output voltage and current setting when output disabled (except 72-7245)

Specifications:

Output (CH1, CH2)

Voltage : 0 to 30 V
Current : 0 to 3 A
Tracking Series Voltage : 0 to 60 V
Tracking Parallel Current : 0 to 6 A

Constant Voltage Operation (CH1, CH2)

Line Regulation : $\leq 0.01\% + 3 \text{ mV}$
Load Regulation : $\leq 0.01\% + 3 \text{ mV}$ (rating current $\leq 3 \text{ A}$)
 $\leq 0.02\% + 5 \text{ mV}$ (rating current $> 3 \text{ A}$)
Ripple and Noise : $\leq 1 \text{ mVrms}$ 5 Hz to 1 MHz
Recovery Time : $\leq 100 \mu\text{s}$ (50% load change, minimum load 0.5 A)

Constant Current Operation (CH1, CH2)

Line Regulation : $\leq 0.2\% + 3 \text{ mA}$
Load Regulation : $\leq 0.2\% + 3 \text{ mA}$
Ripple and Noise : $\leq 3 \text{ mArms}$

Tracking Operation (CH1, CH2)

Tracking Error : $\leq 0.5\% + 10 \text{ mV}$ of the master
Series Regulation : $\leq 300 \text{ mV}$
Load Regulation : $\leq 0.01\% + 3 \text{ mV}$
Ripple and Noise : $\leq 2 \text{ mVrms}$ 5 Hz to 1 MHz

Meter

3 digits 0.5 inches LED display
Accuracy : $\pm(0.5\% \text{ rdg} + 2 \text{ digits})$

Insulation

Chassis and Terminal : $\geq \text{DC } 500 \text{ V} / 20 \text{ M}\Omega$
Chassis and AC Cord : $\geq \text{DC } 500 \text{ V} / 30 \text{ M}\Omega$

Power Source

AC 100 V / 120 V / 220 V $\pm 10\%$, 230 V $\pm 10\%$ to -6% , 50 / 60 Hz

Dimensions and Weight

255 mm (W) \times 145 mm (H) \times 265 mm (D), approximately 7 kg

Accessories

Instruction manual, power cord, and test lead

Part Number Table

| Description | Part Number |
|----------------------|-------------|
| PSU, Bench, 2 Output | 72-7245 |

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