

Quad-Output DC Power Supply **TENMA™**



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

Specifications:

Output	CH1, CH2	CH3	CH4
Voltage	: 0 to 30 V	3 to 6 V	8 to 15 V
Current	: 0 to 3 A	1 A Fixed	1 A Fixed
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 $\leq 10 \text{ A}$)
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

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3 V to 6 V Output (CH3)

Line Regulation : ≤ 5 mV
Load Regulation : ≤ 10 mV
Ripple and Noise : ≤ 2 mVrms, 5 Hz to 1 MHz
Voltage Accuracy : $\pm 5\%$ rdg
Current Output : 1 A

8 V to 15 V Output (CH4)

Line Regulation : ≤ 5 mV
Load Regulation : ≤ 10 mV
Ripple and Noise : ≤ 2 mVrms, 5 Hz to 1 MHz
Voltage Accuracy : $\pm 5\%$ rdg
Current Output : 1 A

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

Accessories

Instruction manual
Power cord
Four Test Leads

Dimensions and Weight

255 (W) \times 145 (H) \times 265 (D) mm, approximately 11.5 kg

Part Number Table

Description	Part Number
PSU, Bench, 4 Output	72-6905

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