

Programmable Linear Bench Top DC Power Supplies

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**RoHS
Compliant**



Description

This series DC power supply with three independent outputs is a cost-effective programmable DC power supply with excellent performance, reliable output and clear interface.

The instrument has constant voltage (CV) and constant current (CC) modes, short-circuit and over-voltage protection functions, which can perfectly meet various test requirements.

Features

- High precision 4-digit voltage and current display
- Over voltage/current/temperature protection
- Output voltage/current settings viewable
- USB-Device, RS232 interface
- Shutdown memory
- Keyboard lock
- Intelligent temperature-controlled fan
- 5V/2A USB charging interface
- 5 sets of setup storage: M1-M5
- cTUVus certified

Specifications

Output voltage (CH1/CH2)		0V to 30V
Output current (CH1/CH2)		0A to 3A
Output power		195W
Resolution		10mV, 1mA
Power regulation	CV Mode	$\leq 0.01\% + 3\text{mV}$
	CC Mode	$\leq 0.2\% + 3\text{mA}$
Load regulation	CV Mode	$\leq 0.01\% + 3\text{mV} (\leq 3\text{A}) \leq 0.02\% + 5\text{mV} (> 3\text{A})$
	CC Mode	$\leq 0.2\% + 3\text{mA}$
Programming accuracy (25°C+5°C)	Voltage	$\leq 0.1\% + 30\text{mV}$
	Current	$\leq 0.5\% + 2\text{mA}$
Ripple and noise (20Hz~20MHz)	Voltage	$\leq 1\text{mVrms}$
	Current	$\leq 3\text{mA}_{\text{rms}}$
Temperature coefficient	Voltage, Current	$\leq 300\text{ppm}$
Parallel Mode	Power regulation	$\leq 0.01\% + 3\text{mV}$
	Load regulation	$\leq 0.01\% + 3\text{mV} (\text{rated current} \leq 3\text{A})$
		$\leq 0.02\% + 5\text{mV} (\text{rated current} > 3\text{A})$

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Series Mode	Power regulation	$\leq 0.01\% + 5\text{mV}$
	Load regulation	$\leq 300\text{mV}$
	Error	$\leq 0.5\% + 10\text{mV}$ (10~30V no-load); (access load $\leq 300\text{mV}$)
		$\leq 0.5\% + 30\text{mV}$ (0~9.99V no-load); (access load $\leq 300\text{mV}$)
CH3 output features	Voltage	1.8V/2.5V/3.3V/5.0V (+3% Can be fine-tuned)
	Current	3.2A
	Power regulation (25°C+5°C)	$\leq 5\text{mV}$
	Load regulation (25°C+5°C)	$\leq 15\text{mV}$
USB (CH4)	Output Voltage	5V+0.25V
	Output Current	2A

General Characteristics	
Power	AC 110V/120V/220V/230V $\pm 10\%$, 60Hz
Display	EBTN LCD
Product net weight	8.8kg
Product size (W×H×D)	240mm × 168mm × 347mm
Warranty	03 years

Part Number Table

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Programmable Linear Bench Top DC Power Supplies, 3 CH, US	MP711000 US

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