

# 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

## Specifications

Model	MP711000	
Output voltage (CH1/CH2)	0V to 30V	
Output current (CH1/CH2)	0A to 3A	
Output power	195W	
Resolution	10mV, 1mA	
Power regulation	CV Mode	≤0.01%+3mV
	CC Mode	≤0.2%+3mA
Load regulation	CV Mode	≤0.01%+3mV (≤3A) ≤0.02%+5mV (>3A)
	CC Mode	≤0.2%+3mA
Programming accuracy (25°C+5°C)	Voltage	≤0.1%+30mV
	Current	≤0.5%+2mA
Ripple and noise (20Hz~20MHz)	Voltage	≤1mVrms
	Current	≤3mA <sub>rms</sub>
Temperature coefficient	Voltage, Current	≤300ppm
Parallel Mode	Power regulation	≤0.01%+3mV
	Load regulation	≤0.01%+3mV (rated current ≤ 3A)
		≤0.02%+5mV (rated current > 3A)

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Series Mode	Power regulation	≤0.01%+5mV
	Load regulation	≤300mV
	Error	≤0.5%+10mV (10~30V no-load); (access load ≤ 300mV)
≤0.5%+30mV (0~9.99V no-load); (access load ≤ 300mV)		
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)	≤ 5mV
	Load regulation (25°C+5°C)	≤15mV
USB (CH4)	Output Voltage	5V+0.25V
	Output Current	2A

General Characteristics	
Power	AC 100V/120V/220V/230V±10%, 50Hz/60Hz
Display	EBTN LCD
Product net weight	8.8kg
Product size (WxHxD)	240mm × 168mm × 347mm
Standard quantity per carton	2pcs
Standard carton size	445mm × 365mm × 300mm
Standard carton gross weight	12kg

## Part Number Table

Description	Part Number
Programmable Linear Bench Top DC Power Supplies, 3 CH, EU/UK	MP711000

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