

# Bench Top Programmable DC Power Supplies

**multicomp**PRO

RoHS  
Compliant



MP710256 US

MP710257 US

## Features

- 1mV/1mA high accuracy resolution programmable DC power supply
- Full scale output without shifting gears and uninterrupted output
- Short circuit test environment, such as high-current contact life test
- Multiple communication rates
- Compact size, high power ratio
- Low ripple and noise, linear output
- No internal relay switch, no replay noise
- Convenient fast recall
- Current, voltage and temperature protections
- Adjustable voltage rise slope

## Specification Table

| Part Number | Output Voltage Range | Output Current Range | Power Rating |
|-------------|----------------------|----------------------|--------------|
| MP710256 US | 0V DC to 30V DC      | 0A to 30A            | 300W         |
| MP710257 US | 0V DC to 60V DC      | 0A to 15A            |              |

## Performance Characteristics

| Load Regulation |                            |
|-----------------|----------------------------|
| Voltage         | $\leq 0.01\% + 1\text{mV}$ |
| Current         | $\leq 0.1\% + 3\text{mA}$  |
| Line Regulation |                            |
| Voltage         | $\leq 0.01\% + 3\text{mV}$ |
| Current         | $\leq 0.1\% + 3\text{mA}$  |

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|                                          |                                                         |
|------------------------------------------|---------------------------------------------------------|
| <b>Setup Resolution</b>                  |                                                         |
| Voltage                                  | 1mV                                                     |
| Current                                  | 1mA                                                     |
| <b>Read back Resolution</b>              |                                                         |
| Voltage                                  | 1mV                                                     |
| Current                                  | 1mA                                                     |
| <b>Setup Accuracy (25°C ±5°C)</b>        |                                                         |
| Voltage                                  | ≤0.5%+5mV                                               |
| Current                                  | ≤0.5%+3mA                                               |
| <b>Ripple (20-20M)</b>                   |                                                         |
| Voltage                                  | ≤1mVrms +0.03% of current output                        |
| Current                                  | ≤5mA <sub>rms</sub>                                     |
| <b>Voltage Rise Time</b>                 |                                                         |
| Voltage                                  | ≤50ms                                                   |
| Current                                  | ≤50ms                                                   |
| <b>Input Voltage</b>                     | 120V AC, 60Hz                                           |
| <b>Temperature Coefficient</b>           |                                                         |
| Voltage                                  | ≤150ppm                                                 |
| Current                                  | ≤150ppm                                                 |
| <b>Read Back Temperature Coefficient</b> |                                                         |
| Voltage                                  | ≤150ppm                                                 |
| Current                                  | ≤150ppm                                                 |
| <b>Interfaces</b>                        | USB, RS232 and LAN                                      |
| <b>Accessories</b>                       | User Manual, Power Cord (US), Software CD and USB Cable |
| <b>Standard Warranty</b>                 | 03 years                                                |

## Part Number Table

| Description                                                  | Part Number |
|--------------------------------------------------------------|-------------|
| Programmable DC Power Supply, 300W, 0V to 30V, 0A to 30A, US | MP710256 US |
| Programmable DC Power Supply, 300W, 0V to 60V, 0A to 15A, US | MP710257 US |

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