

Power Supply

CPS250



CPS250.

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CHARACTERISTICS

Output Voltage:

Two Variable: 0 to 20 VDC
One Fixed: 5.0 V

Output Current:

Two Variable: 0 to 0.5 A (CC)*¹
One Fixed (foldback limited): 2.0 A max

Line Regulation:

Two Variable: 0.01% + 3 mV (CV); 0.2% + 3 mA (CC)
One Fixed: ≤10 mV (CV)

Load Regulation:

Two Variable: 0.01% + 3 mV (CV); 0.2% + 6 mA (CC)
One Fixed: 0.1% + 5 mV (CV)

Ripple/Noise:

Two Variable: 2 mV_{RMS}, 5 Hz to 1 MHz (CV);
3 mA_{RMS}, 5 Hz to 1 MHz (CC)
One Fixed: 2 mV_{RMS}

Output in Independent Mode:

Two variable 0 to 20 V (CV); 0.5 A (CC)

Output in Parallel Mode:

One 0 to 20 V, 1.0 A max

Tracking Error:

±0.2% ±20 mV

Series Mode:

One 0-40 V, 0.5 A max or one ±20 V, 0.5 A

Tracking Error:

±0.2% ±20 mV

Displays:

Two analog meters (switchable)

Voltage Indicator:

0 to 25 VDC ±2.5% of full scale

Current Indicator:

0 to 800 mA ±2.5% of full scale

Overload Indicator:

Yes

Insulation:

Chassis to Terminal: >50 megaohm at 500 VDC
Chassis to Power Cord: >50 megaohm at 500 VDC

Safety Certification:

UL3111-1, CSA1010.1, EN61010-1, Denturi Mark

*¹(CC): When operated in Constant Current mode.

(CV): When operated in Constant Voltage mode.

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Product manufactured in ISO 9002 registered facilities



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