

Power Supply

PS280



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CHARACTERISTICS

Output Voltage:

Two Variable: 0 to 30 VDC
One Fixed: 5.0 V

Output Current:

Two Variable: 0 to 2.0 A (CC)*¹
One Fixed (foldback limited): 3.0 A max

Line Regulation:

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

Load Regulation:

Two Variable: $\leq 0.01\% + 5$ mV, current > 3 A (CV);
 ≤ 300 mV 0 to 60 V single series tracking supply (CV), 0.2% + 3 mA (CC)
One Fixed: ≤ 10 mV (CV)

Ripple/Noise:

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

Output in Independent Mode:

Two variable: 0 to 30 V (CV); 2.0 A (CC)

One 0 to 30 V, 4.0 A max

Output in Parallel Mode:

Tracking Error: $\leq 0.5\% + 10$ mV

Series Mode: One 0 ± 30 V, 2.0 A max or one 60 V, 2 A

Tracking Error: $\pm 0.5\% + 10$ mV

Displays: Two 3-1/2 digit LED (switchable)

Voltage Indicators: 0 to 30 VDC $\pm(0.5\%$ of rdg + 2 digits)

Current Indicator: 0 to 2 A DC $\pm(0.5\%$ of rdg + 2 digits)

Overload Indicator: Yes

Insulation:

Chassis to Terminal: ≥ 20 megaohm at 500 VDC

Chassis to Power Cord: ≥ 30 megaohm at 500 VDC

Safety: 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 9001 registered facilities



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