

## Power Supply

### PS280



#### CHARACTERISTICS

**Output Voltage:**

Two Variable: 0 to 30 VDC

One Fixed: 5.0 V

**Output Current:**

Two Variable: 0 to 2.0 A (CC)\*<sup>1</sup>

One Fixed  
(foldback  
limited): 3.0 A max

**Line Regulation:**

Two Variable: 0.01% + 3 mV (CV); 0.2% + 3 mA (CC)

One Fixed:  $\leq 5$  mV (CV)

**Load Regulation:**

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

One Fixed:  $\leq 10$  mV (CV)

**Ripple/Noise:**

Two Variable:  $\leq 1$  mV<sub>RMS</sub>, 5 Hz to 1 MHz (CV);  $\leq 3$  mA  
(CC)

One Fixed:  $\leq 2$  mV<sub>RMS</sub>

**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  $\pm 30$  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:  $\geq 20$  megaohm at 500 VDC

Chassis to Power Cord:  $\geq 30$  megaohm at 500 VDC

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

\*<sup>1</sup> (CC): When operated in Constant Current mode.

(CV): When operated in Constant Voltage mode.