



American Power Design, Inc.

"The best DC/DC design solution"

Distributed By:  
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## D100 SERIES 100 WATT DC/DC CONVERTERS

### FEATURES

- \* Customer Selects Output Voltage
- \* Outputs to 28 Vdc
- \* Wide Input Ranges (10-20Vdc, 18-36Vdc, 20-60Vdc)
- \* Excellent Line & Load Regulation
- \* Low Output Ripple
- \* 100 kHz Switching Frequency
- \* 500 Vdc Output Isolation
- \* Continuous Short Circuit Protected
- \* Available in Chassis Mount

The D100 Series of DC/DC converters is available with single, dual, and triple outputs which are isolated from the input. They are enclosed in a six-sided metal case. Their small size, low output ripple, and excellent regulation characteristics make them ideally suited for applications that demand a high degree of performance. All models will tolerate a short circuit indefinitely.

### ELECTRICAL SPECIFICATIONS

Voltage Accuracy .....	+/-1%
Line Regulation .....	+/- 1%
Load Regulation .....	+/- 2%
Output Ripple .....	< 100mVp-p

Output Trim (Single Output) .....	+/-10%
Input Filter .....	PI Network
Short Circuit Protection .....	Continuous
Switching Frequency .....	100 kHz
Isolation .....	500 Vdc

\* 18-36Vdc Input add suffix /A, 20-60 Vdc Input add suffix /B

### GENERAL SPECIFICATIONS

Temp. Stability .....	+/-0.02%/°C
Temp. (Operating, Case) .....	-25 to +85°C
Temp. (Storage) .....	-40 to +125°C

Cooling .....	Convection or Forced Air
Thermal Shut Down .....	100°C/+/- 5°C

### PHYSICAL SPECIFICATIONS

Dimensions .....	3.5 x 5.5 x 0.91 inches
Weight .....	22 Oz

Case Material .....	Black Coated Metal (With Non-Conductive Base Plate)
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OTHER OUTPUT VOLTAGES & CURRENTS AVAILABLE

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