

Convel 52000 Series Chassis Mounting AC/DC Single/ Dual Output Linear Power Supplies

These high quality linear regulated and unregulated power supplies provide outstanding value and are designed for ease of application and long trouble free life.

Regulated models are available with fixed or adjustable outputs. There is also a model with adjustable dual outputs. Unregulated models provide fixed dual outputs.

All models use rugged screw terminal blocks for input and output connections. Those models with adjustable outputs can be set via an easily accessible potentiometer.

The metal case used on all models provides screening, and threaded inserts allow these supplies to be mounted on the insulated base or on the side.

Adjustable output regulated models are short circuit proof. Fixed voltage models can have their outputs short circuited for a maximum of 3 minutes.

Unregulated models use toroidal transformers which reduce magnetic fields. These models also have fused output protection.

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GENERAL SPECIFICATIONS

AC Input	216 to 264VAC (regulated units) 47 to 60Hz 120/240VAC (unregulated units) 47 to 60Hz Link selectable factory set to 240VAC
DC Output	See model chart
Line Regulation	See model chart
Load Regulation	See model chart
Output Ripple	See model chart
Temperature Rating	0 to +50°C (fixed-voltage regulated units) -25 to +50°C (adjustable-voltage regulated units) 0 to +40°C (unregulated units)
Overall Dimensions (l x w x h)	160 x 100 x 57mm

SINGLE FIXED OUTPUT REGULATED MODELS

Model	Output Voltage Volts	Output Current Amps	Line Regulation mV	Load Regulation mV	Output Ripple mV
52012	12	1.0	120	120	30
52024	24	0.5	500	500	30
52048	48	0.25	500	500	30

SINGLE ADJUSTABLE OUTPUT REGULATED MODELS

Model	Output Voltage Volts	Output Current Amps	Line Regulation mV	Load Regulation mV	Output Ripple mV
52008A	4 - 12	1.0	10	30	6
52015A	10 - 20	0.5	20	30	10
52024A	18 - 30	0.25	25	30	15

DUAL ADJUSTABLE OUTPUT REGULATED MODEL

Model	Output Voltage Volts	Output Current Amps	Line Regulation mV	Load Regulation mV	Output Ripple mV
52212A	± 10 - 15	0.5	10	20	5

DUAL FIXED OUTPUT UNREGULATED MODELS

Model	Output Voltage Volts	Output Current Amps	Load Regulation	Output Ripple Vrms
53212	± 12	3.0	20% or 3V*	1.5
53225	± 25	2.0	20% or 3V*	1.5

* Whichever is greater for a 20 to 100% load change