

CRS MODELS: 10-300 AMPERES

Product Features



- ▶ System Output: DC
- ▶ Current outputs from 10-300 amperes.
- ▶ Voltage outputs from 9-48 volts.
- ▶ Multiple options for control interfaces.
- ▶ Custom sizes and configurations available.
- ▶ Small package size: switch mode technology.
- ▶ Rugged, environmentally-sealed, powder-coated enclosure.

Product Overview

The MicroStar CRS Series power supply is based on switch mode technology. The control interface features a fully-programmable microprocessor. Menus are accessible to set ampere time and real-time cycles, output tolerance requirements and more.

- ▶ Real Time Cycle (RTC) Control
- ▶ Ampere Time Cycle Control (ATC)
- ▶ Ampere Time Totalizer
- ▶ Constant current, constant voltage, and cross-over regulation modes
- ▶ FrontPanel+ Host Control Program for process set-up, process storage and data logging
- ▶ RS485 port and USB port for serial control
- ▶ Electronic overload, over-temperature, and short circuit protection
- ▶ Save/recall up to 10 different process steps
- ▶ Forced air cooled

Performance Specifications

- ▶ Line Regulation: +/- 1% of setting or 0.1% of maximum rating, whichever is greater
- ▶ Load Regulation: +/- 1% of setting or +/- 0.1% of maximum rating, whichever is greater
- ▶ Digital Meter Accuracy: +/- 1% plus L.S.D.
- ▶ Temperature Stability: 0.2% of peak rating after 15 minute warm up
- ▶ Ripple: <1% RMS of maximum rated output voltage

Options

- ▶ Recipe creation and storage
- ▶ Periodic reverse output
- ▶ Remote control interface panel
- ▶ Analog interface board: 4-20mA, 0-5V, or 0-10V
- ▶ Auxiliary totalizer with relay output turn on/off pump, mixer, etc.
- ▶ Master/slave control - synchronize multiple units
- ▶ Ramp timer
- ▶ Trickle current
- ▶ 19" rack mount flanges

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Model	Voltage (DC)	Current (Amps)	Voltmeter Resolution	Amp Meter Resolution	AC Input Options	Size
9 Volts						
CRS9-10	0-9	0-10	0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS9-25	0-9	0-25	0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS9-50	0-9	0-50	0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS9-100	0-9	0-100	0.01 V	0.1 A	A, B	7"H x 17"W x 22"D
CRS9-150	0-9	0-150	0.01 V	0.1 A	B, C	7"H x 17"W x 22"D
CRS9-200	0-9	0-200	0.01 V	0.1 A	B, C	7"H x 17"W x 22"D
CRS9-250	0-9	0-250	0.01 V	0.1 A	B, C	7"H x 17"W x 22"D
CRS9-300	0-9	0-300	0.01 V	0.1 A	B, C	7"H x 17"W x 22"D
12 Volts						
CRS12-10	0-12	0-10	*0.1/0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS12-25	0-12	0-25	*0.1/0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS12-50	0-12	0-50	*0.1/0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS12-75	0-12	0-75	*0.1/0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS12-100	0-12	0-100	*0.1/0.01 V	0.1 A	A, B, C	7"H x 17"W x 22"D
CRS12-150	0-12	0-150	*0.1/0.01 V	0.1 A	B, C	7"H x 17"W x 22"D
CRS12-200	0-12	0-200	*0.1/0.01 V	0.1 A	B, C	7"H x 17"W x 22"D
CRS12-250	0-12	0-250	*0.1/0.01 V	0.1 A	B, C	7"H x 17"W x 22"D
CRS12-300	0-12	0-300	*0.1/0.01 V	0.1 A	B, C	7"H x 17"W x 22"D
18 Volts						
CRS18-10	0-18	0-10	*0.1/0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS18-25	0-18	0-25	*0.1/0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS18-50	0-18	0-50	*0.1/0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS18-75	0-18	0-75	*0.1/0.01 V	0.01 A	B, C	7"H x 17"W x 22"D
CRS18-100	0-18	0-100	*0.1/0.01 V	0.1 A	B, C	7"H x 17"W x 22"D
CRS18-150	0-18	0-150	*0.1/0.01 V	0.1 A	B, C	7"H x 17"W x 22"D
CRS18-200	0-18	0-200	*0.1/0.01 V	0.1 A	B, C	7"H x 17"W x 22"D

*Meter readings below 10 volts will show 0.01 Volt Resolution

Minimum Suggested Setting: 10% of maximum rated output

AC Input Options:

- A:** 110 VAC, 50-60 Hz, 1 Phase
- B:** 208-240 VAC, 50-60 Hz, 1 Phase
- C:** 208-240 VAC, 50-60 Hz, 3 Phase

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24 VOLTS						
CRS24-10	0-24	0-10	*0.1/0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS24-25	0-24	0-25	*0.1/0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS24-50	0-24	0-50	*0.1/0.01 V	0.01 A	B, C	7"H x 17"W x 22"D
CRS24-100	0-24	0-100	*0.1/0.01 V	0.1 A	B, C	7"H x 17"W x 22"D
CRS24-150	0-24	0-150	*0.1/0.01 V	0.1 A	B, C	7"H x 17"W x 22"D
48 VOLTS						
CRS48-10	0-48	0-10	*0.1/0.01 V	0.01 A	A, B	7"H x 17"W x 22"D
CRS48-25	0-48	0-25	*0.1/0.01 V	0.01 A	B	7"H x 17"W x 22"D
CRS48-50	0-48	0-50	*0.1/0.01 V	0.01 A	B, C	7"H x 17"W x 22"D

*Meter readings below 10 volts will show 0.01 Volt Resolution

Minimum Suggested Setting: 10% of maximum rated output

AC Input Options:

- A:** 110 VAC, 50-60 Hz, 1 Phase
- B:** 208-240 VAC, 50-60 Hz, 1 Phase
- C:** 208-240 VAC, 50-60 Hz, 3 Phase

Specifications subject to change without notification