

Switch Mode Technology

MS - Series

- **Modular Compact Rectifiers**
Easy increase in output by means of series or parallel connection
- **Load-Dependent Air Quantity Control**
Reduces contamination and noise intensity (optional for MSA 2000)
- **DC Short-Circuit Protection**

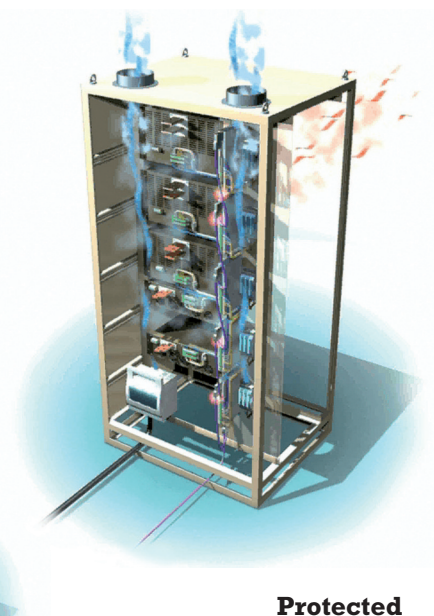
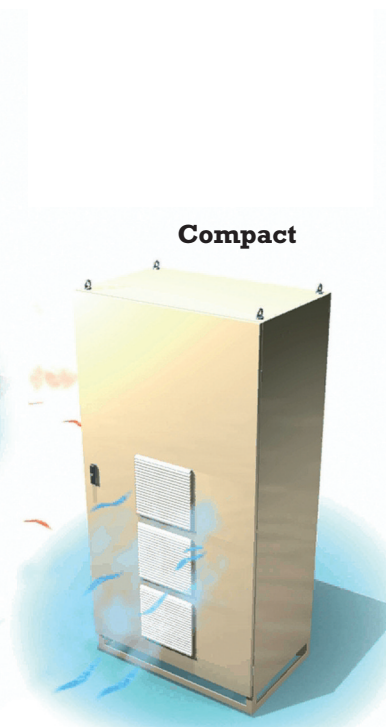


Water- or Air-Cooled

MS - Series

Small, Compact and Modular

MSA cabinet system – reliable design, compact construction



System advantages

High efficiency
Power factor up to 99 %
Ripple < 1 ... 3 %
Constant voltage and current control
High control accuracy
1/2 19"-19" plug-in or module
Fan speed control
Integrated EMC filter
Duty factor 100 % (24/7)
Analog interface: 0-10 V (except MSA 0025, 0050)

Options

Pulse operation
Polarity reversal function
Ramping function
Ampere-hour meter
Digital interface: Modbus, Profibus, Ethernet

AMERICAN

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A Strong Team

MS - Series

Modularity <=> Individual solutions



MSA-Models

air cooling

1 x 110–240 V / 50–60 Hz

Model	Output power W (max.)	Dimensions in inches in W / D / H W / D / H		Weight in lbs		Output: Voltage range from 5 V to 500 V (other voltages on request)
		Module*	Bench Case*	Module	Bench Case	
MSA 0025	250	14 / 9.5 / 3.9	11.6 / 10.3 / 4.5	9	12	Current range up to 25 A
MSA 0050	500	9.5 / 8.7 / 5.1	12.8 / 13.8 / 10.7	12	17	Current range up to 50 A
MSA 0150	1500	11.8 / 16.1 / 5.7	12.8 / 17.7 / 7.4	20	29	Current range up to 150 A
MSA 0600	3000	20.2 / 16.1 / 5.7	21.1 / 17.7 / 7.4	49	51	Current range up to 600 A

*Length of output terminals or bars is not included in the device depth.
The following increases must be considered: MSA0025 and MSA0050 = 0.79 inches, MSA0150 = 1.57 inches, MSA0600 = 3.15 inches

MSA-Models

air cooling

3 x 208–480 V / 50–60 Hz

Model	Output power kW (max.)	Dimensions in inches in W / D / H W / D / H		Weight in lbs		Output: Voltage range from 5 V to 500 V (other voltages on request)
		Module*	Bench Case*	Module	Bench Case	
MSA 0800	8	19.3 / 17.4 / 10.9	21.1 / 21.7 / 15.6	81	93	Current range up to 800 A
MSA 1000	15	19.3 / 17.4 / 10.9	21.1 / 21.7 / 15.6	93	104	Current range up to 1000 A
MSA 1500	20	19.3 / 18.9 / 10.9	-	94	106	Current range up to 1500 A
MSA compact	20	19.3 / 11.8 / 35.9	-	110	-	Current range up to 1500 A
MSA 2000	30	25.9 / 12 / 42	-	265	-	Current range up to 2000 A

*Length of output terminals or bars is not included in the device depth.
The following increases must be considered for modules: MSA 0800-1500 = 3.7 inches, MSA 2000 = 4.1 inches

MSW-Models

water cooling

3 x 208–480 V / 50–60 Hz

Model	Output power kW (max.)	Dimensions in inches in W / D / H W / D / H		Weight in lbs		Output: Voltage range from 5 V to 25 V (other voltages on request)
		Module*	Cabinet	Module	Cabinet	
MSW 1500	22	19.3 / 17.4 / 10.9	23.4 / 15.7 / 39.4	94	331	Current range up to 1500 A
MSW 2000	30	-	23.4 / 23.4 / 70.9	-	551	Current range up to 2000 A

*Length of output terminals or bars is not included in the device depth.
The following increases must be considered for modules: MSW 1500 = 3.7 inches

Subject to technical alterations. Other types of construction upon request.