

WM Series 1500 DC-to-DC Converters for Telecommunications



- 80% to 90% efficient
- 200, 400 or 800 Watts
- Height 2U (2 rack spaces)
- Input/output isolation

The series 1500 converters provide an isolated, high stability, regulated, adjustable DC output from station batteries or other widely fluctuating DC sources to power communications equipment, supervisory control systems, and other sensitive electronic equipment. Conservatively rated and very efficient, these converters will operate at any load within their rating over a wide ambient temperature range with simple convection cooling. Their minimal no load input power, about 5 Watts, and correspondingly high light load efficiencies make them uniquely suited for applications in which extended periods of 'standby' service are encountered.

Front Panel Controls And Indicators

A combination circuit breaker and ON/OFF switch is provided for the input power. A voltmeter and ammeter display the DC output, a screwdriver slotted potentiometer shaft with locking nut is provided to adjust the output voltage level.

Size And Weight

All converters measure 2U high by 432mm wide. The 200 Watt and 400 Watt units are 335mm deep, and the 800 Watt units measure 340mm deep. All units weigh less than 8.2kg.

Optional Features

Standard options for series 1500 converters include paralleling diodes for multiple unit redundancy applications and auxiliary voltage free alarm relay contacts for remote indication of improper converter output. In addition, many other input/output voltage combinations are available, contact our sales department for details.

Other Rack Mounted DC-To-DC Converters

In addition to the series 1500 Converters, many other standard and custom, single and multiple output rack mounted DC-to-DC converters are available. Each series provides isolation, regulated and highly efficient power, designed and manufactured in accordance with our emphasis on conservative thermal ratings for long product life.

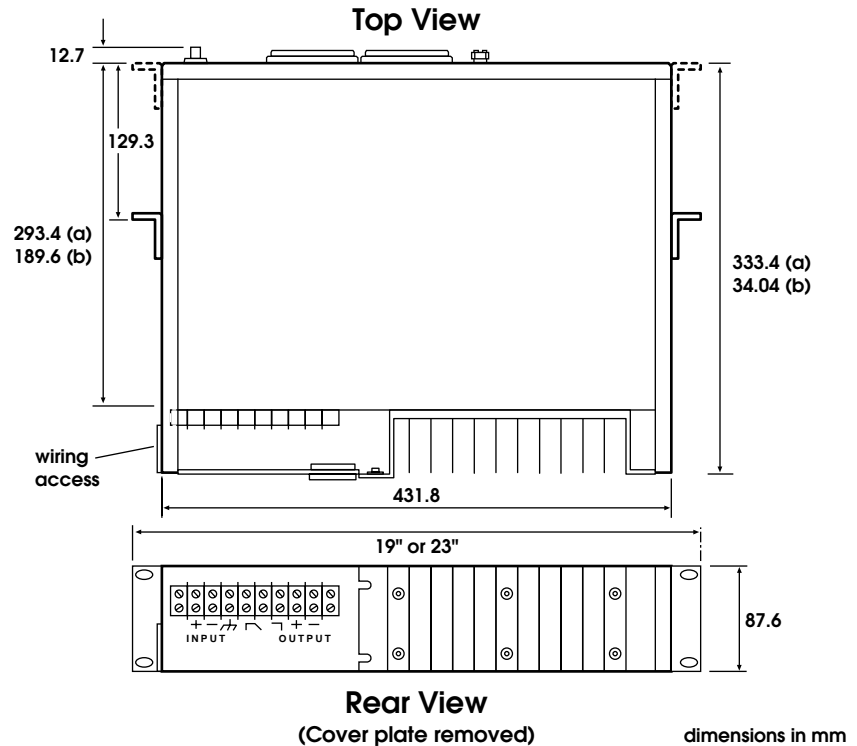


POWER SYSTEMS INTERNATIONAL

19" Rack Mounting DC-to-DC Converters

Input Voltage Range (VDC)	Adjustable Output Voltage Range (VDC)	Output Current (ADC)	Model Number
20-29	12-14	0-15	1502-24-13-15 (a)
20-29	12-14	0-30	1502-24-13-30 (a)
20-29	22-26	0-8	1502-24-24-8 (a)
20-29	22-26	0-16	1502-24-24-16 (a)
20-29	44-52	0-4	1502-24-48-4 (a)
20-29	44-52	0-8	1502-24-48-8 (a)
21-29	45.5-50.5	0-16	1560-24-48-16 (b)
40-58	12-14	0-15	1502-48-13-15 (a)
40-58	12-14	0-30	1502-48-13-30 (a)
40-58	22-26	0-8	1502-48-24-8 (a)
40-58	22-26	0-16	1502-48-24-16 (a)
42-58	22-26	0-30	1561-48-24-30 (b)
42-58	25-29	0-30	1567-48-28-30 (b)
40-58	44-52	0-4	1502-48-48-4 (a)
40-58	44-52	0-8	1502-48-48-8 (a)
40-58	56-64	0-7	1502-48-60-7 (a)
40-58	123.5-136.5	0-1.5	1502-48-130-1.5 (a)
40-58	123.5-136.5	0-3	1502-48-130-3 (a)
42-58	123.5-136.5	0-6	1562-48-130-6 (b)
105-140	12-14	0-15	1502-130-13-15 (a)
105-140	12-14	0-30	1502-130-13-30 (a)
105-140	22-26	0-8	1502-130-24-8 (a)
105-140	22-26	0-16	1502-130-24-16 (a)
105-140	44-52	0-4	1502-130-48-4 (a)
105-140	44-52	0-8	1502-130-48-8 (a)
105-140	123.5-136.5	0-1.5	1502-130-130-1.5 (a)
105-140	123.5-136.5	0-3	1502-130-130-3 (a)

(a) and (b) refer to depth dimensions - see diagram



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