

» MRW-5500V4V-B1 «



500 Watt

- » Silent due to regulated fan
- » 2 power inputs
- » Efficiency up to 86 %

MRW-5500V4V-B1

500 Watt

The mini-redundant MRW-5500V4V-B1 has been developed for server and storage systems. In case one power supply rack fails, the other one takes over the full load without any interruption.

The subsequent exchange of the defective power supply rack during operation ensures a very high system availability. Separate mains supplies allow supply from different mains networks (UPS).

Technical Information

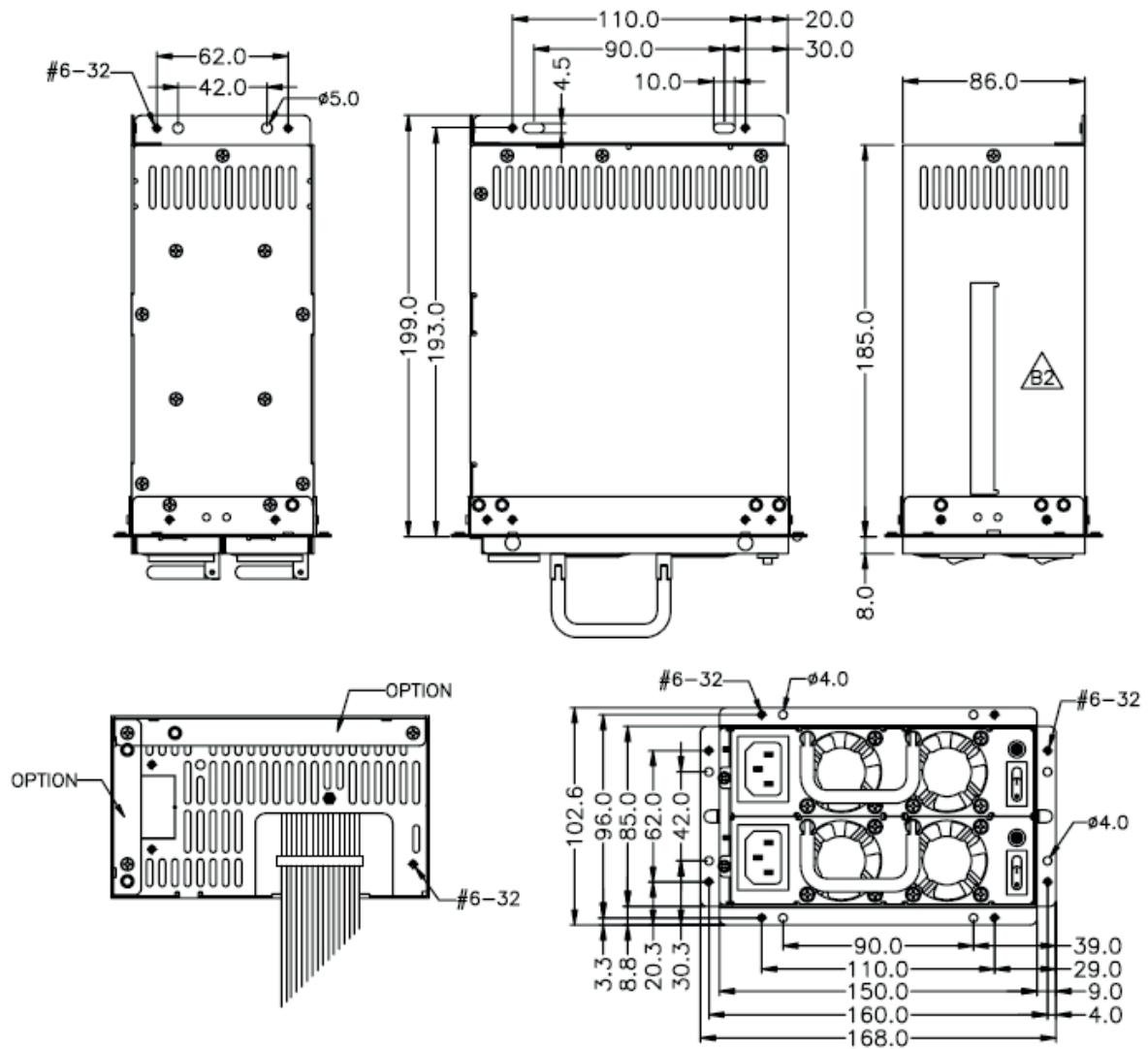
Input voltage	90 - 264 V AC, active PFC
Input frequency	47 - 63 Hz
Input current	8 A / (115 V AC) / 4 A (230 V AC)
Inrush current	25 A (132 V AC) / 50 A (264 V AC)
Efficiency	80 - 86 %
Hold up time	16 ms
Power-Good-Signal	Switch on delay 100 - 500 ms
Protection	Short circuit protection: At each output Overvoltage protection: +3.3 V (+3.6 - 4.3 V) / +5 V (+5.5 - 6.5 V) / +12 V (+13.2 - +15.6 V) Overload protection: 110 - 160 %
Earth leakage current	<3.5 mA at 250 V AC
Safety / EMC	TÜV / UL / CB / CE
Operating temperature	0°C - +50°C
Storage temperature	-20°C - +80°C
Operating humidity	20 - 80 % RH, non-condensing
Dimensions	185 x 150 x 86 mm ±0.5 mm
Weight (net)	4.2 kg
Alarm functions	1. TTL signal, 2. Failure LED, 3. Reset for acoustic alarm

Ordering Information

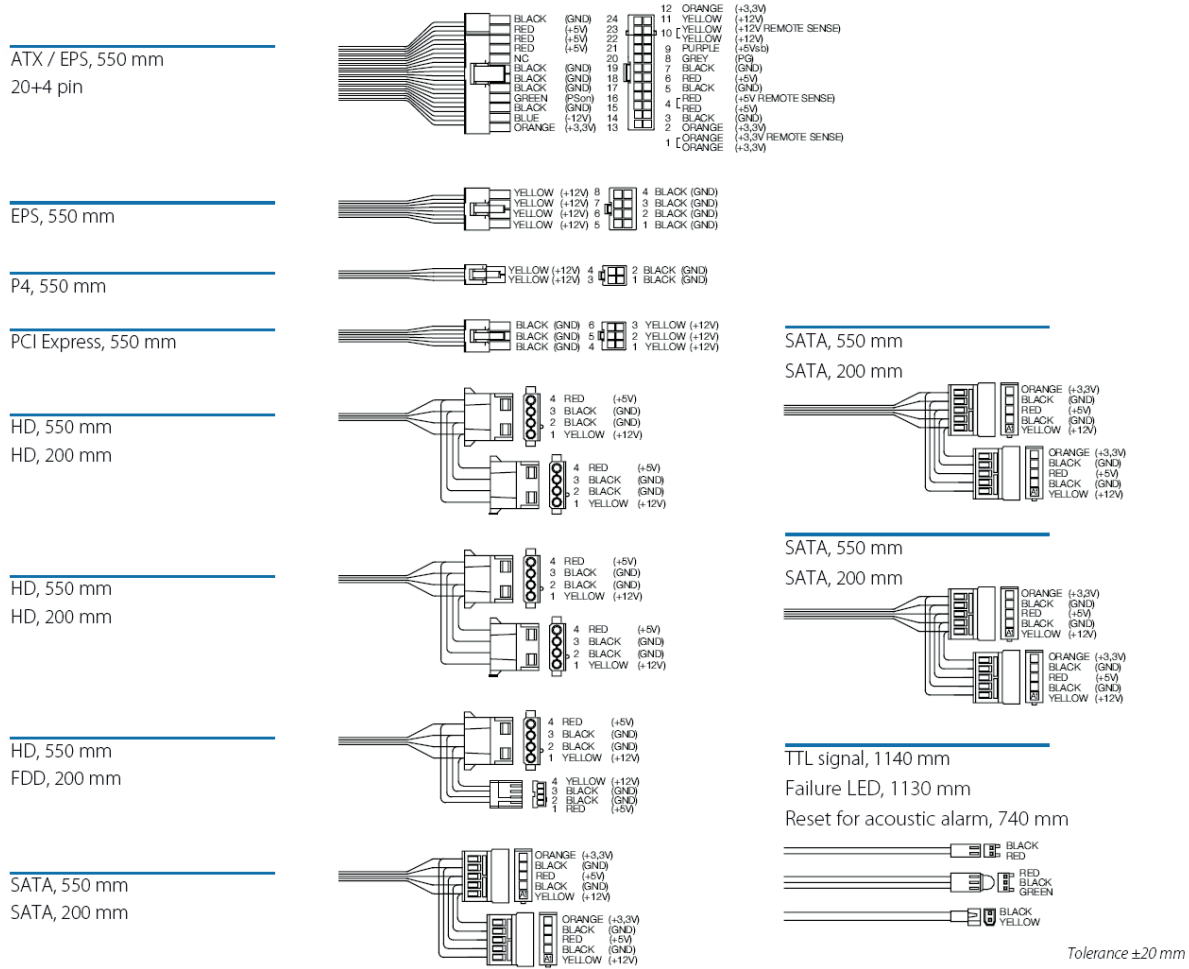
Article No.	Output voltage	Output current min	Output current max	Load regulation	Ripple & Noise
MRW-5500V4V-B1	+3.3 V	1 A	25 A	±5 %	±50 mV
	+5 V	1 A	25 A	±5 %	±50 mV
	+12 V	1 A	41 A	±5 %	±120 mV
	-12 V	0 A	0.8 A	±5 %	±120 mV
	+5 V _{sb}	0.1 A	3.5 A	±5 %	±50 mV

Max output load must not exceed 500 W. Combined output current at +3.3 V and +5 V must not exceed 170 W. Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 100 µF electrolytic capacitor and 100 nF ceramic capacitor. As a power component this PSU is for assembly purposes only and must not be operated in unassembled condition. The final assembly has to comply with the valid EMC and safety standards.

Drawing MRW-5500V4V-B1

Tolerance ± 0.5 mm

Cable Harnless MRW-5500V4V-B1



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