

MRT-6300P-2AC-B2

300 Watt

- Silent due to regulated fan
- Real redundancy
- 2 mains connectors

The mini-redundant MRT-6300P-2AC-B2 is designed as PS/2 substitute and for 19" rack servers as well as storage systems. If one plug-in power supply fails, the second unit takes over the full load without any interruption. Since the defect plug-in unit can be replaced during operation a very high availability of the system is guaranteed. Due to the separate mains connectors supply is possible from different networks as well (UPS).



Technical data

Input voltage	90...264 V AC, active PFC
Input frequency	47...63 Hz
Input current	6 A / (115 VAC) / 3 A (230 VAC)
Inrush current	60 A (115 VAC) / 80 A (230 VAC)
Efficiency	>64 %
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 (+3.9 V...+5 V) / +5 V (+5.7 V...+6.5 V) / +12 V (+13 V...+15 V) Overload protection: 110...160 %
Earth leakage current	<3.5 mA
Safety / EMC	TÜV / UL / cUL / CB / CE
Operating temperature	0...+45 °C
MTBF	100 000 h at 25 °C, calculated without fan
Storage temperature	-20...+80 °C
Operating humidity	20...90 % RH, non-condensing
Dimensions (WxDxH)	150 x 185 x 86 mm ±0.5 mm
Weight (net)	3.4 kg

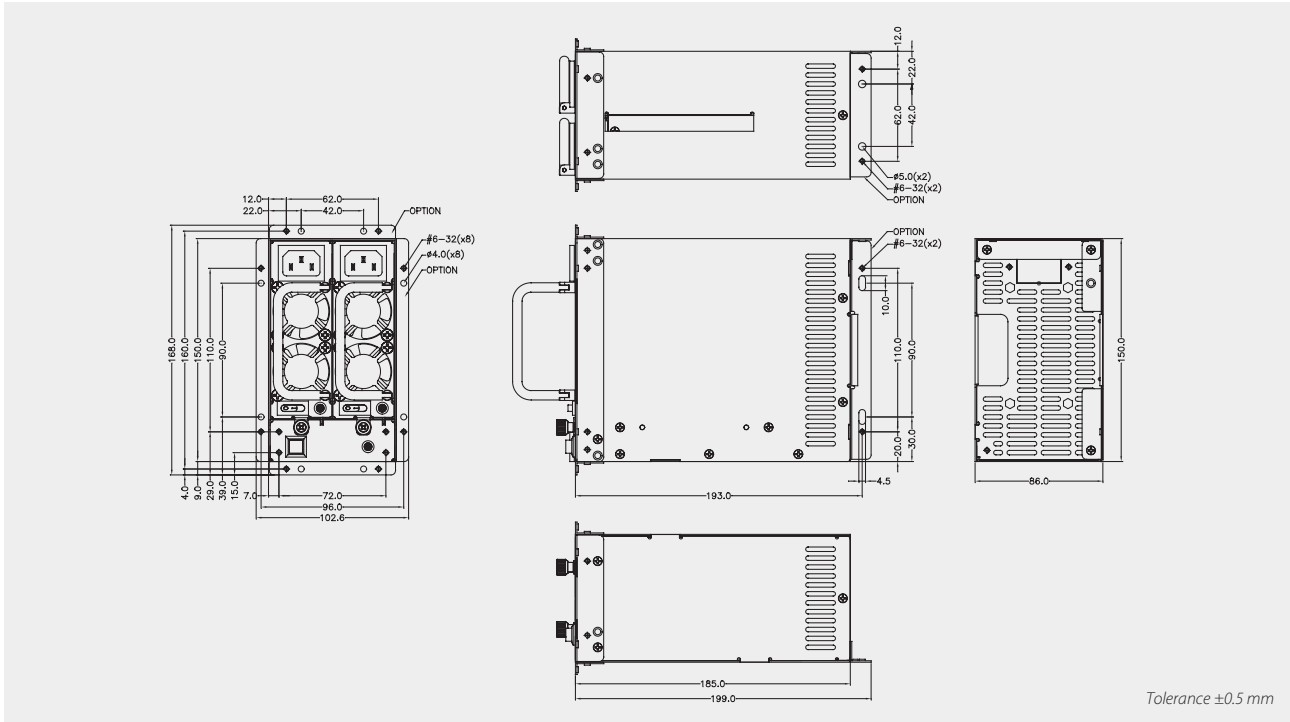
Product specific data

Alarm functions	1. Reset for acoustic alarm, 2. Failure LED, 3. TTL signal
-----------------	--

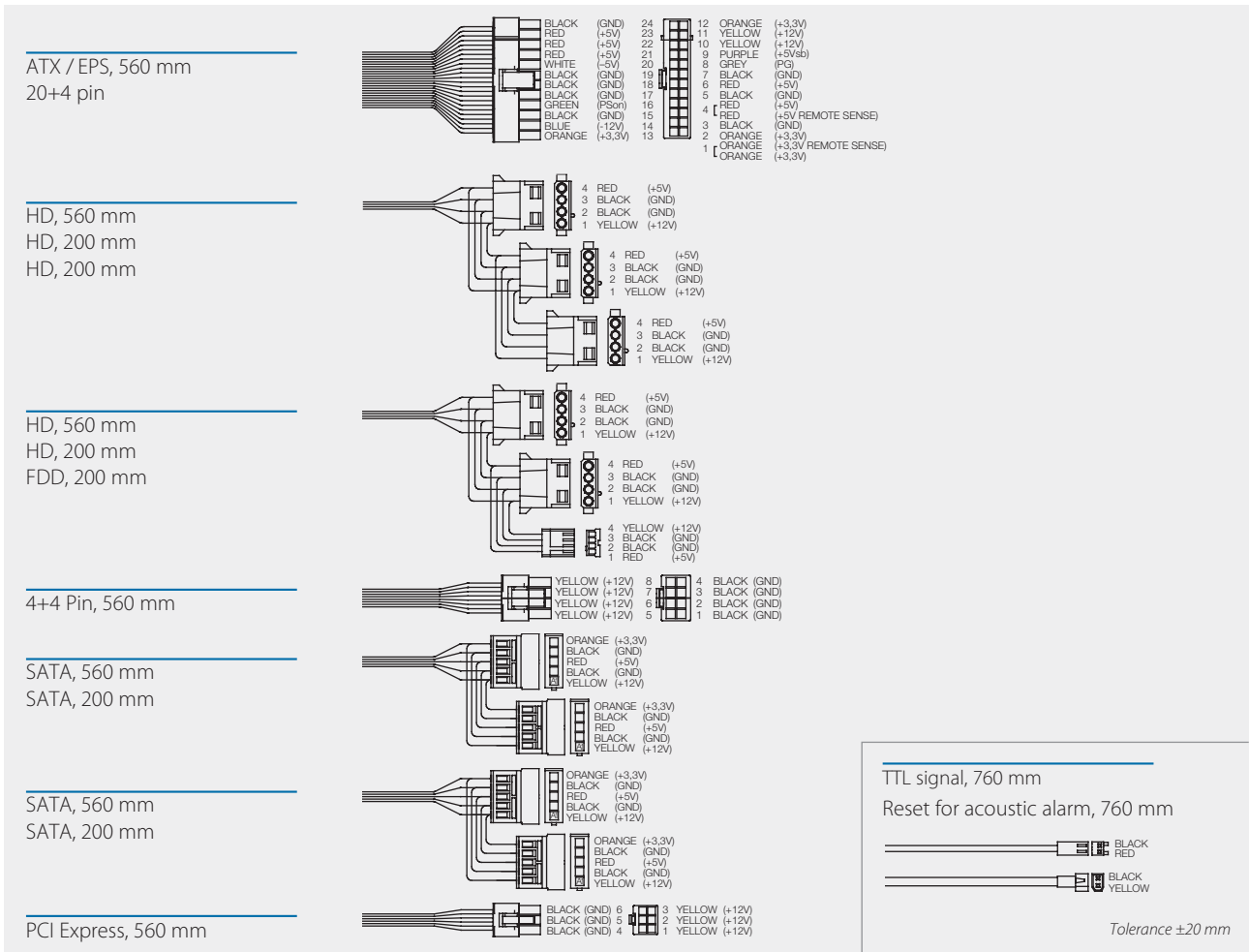
Article No.	Output voltage	Output current		Load regulation	Ripple & Noise
		min	max		
MRT-6300P-2AC-B2	+3.3 V	1 A	18 A	±5 %	±50 mV
	+5 V	3 A	25 A	±5 %	±50 mV
	+12 V	2 A	16 A	±7 %	±120 mV
	-12 V	0 A	0.5 A	±10 %	±150 mV
	-5 V	0 A	0.5 A	±10 %	±100 mV
	+5 V _{sb}	0.1 A	2 A	±5 %	±60 mV

Combined output load at +3.3 V, +5 V and +12 V must not exceed 282 W. Combined output current at +3.3 V and +5 V must not exceed 35 A. Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 220 µF tantalum capacitor and 0.1 µF ceramic capacitor at each output. 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 MRT-6300P-2AC-B2



Cable harness MRT-6300P-2AC-B2



Specification is subject to change without notice. Errors excepted. Status as at: 09.12.2011