

PSL-6A00V

1000 Watt



- High performance power supply for servers
- Energy-saving due to high efficiency
- Long-lasting and reliable

The new high performance power supply PSL-6A00V provides up to 1000 watts power for servers or image processing computers with high processing requirements. Together, the two +12 VDC branches supply up to 50 A power each. For power transfer, a generously designed harness with several PCI express connections is available. The PSL-6A00V combines high energy efficiency with the longevity of an industrial PC power supply. It meets the requirements of 80 PLUS BRONZE®.



Technical data

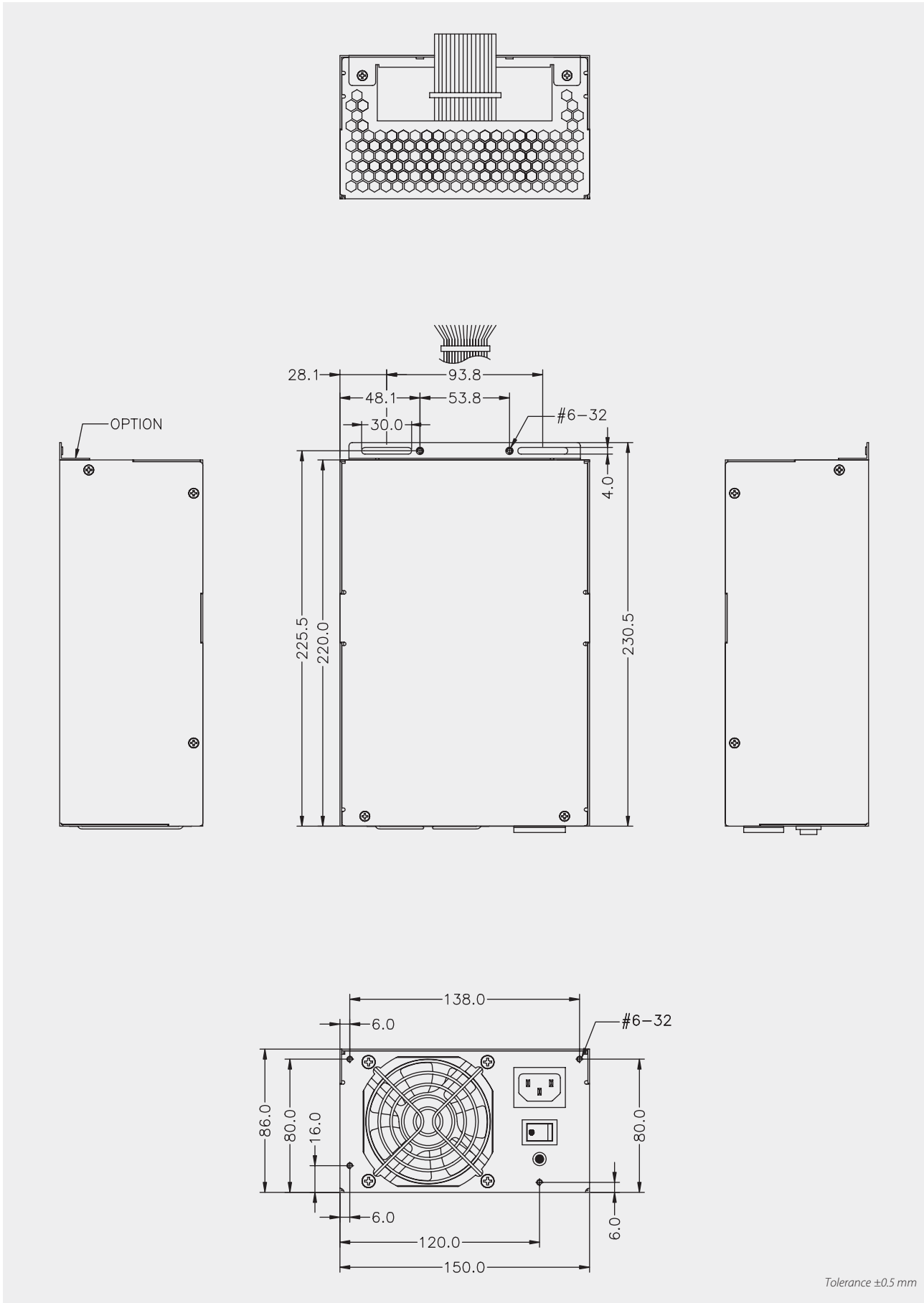
Input voltage	90...264 VAC, active PFC
Input frequency	47...63 Hz
Input current	15 A (90 V) / 7,5 A (264 V)
Inrush current	20 A (115 VAC) / 40 A (230 VAC)
Efficiency	82...87 %, 230 VAC
Hold up time	>18 ms
Power-Good-Signal	Switch on delay 100...500 ms Switch off delay 1 ms
Protection	Short circuit protection: +3.3 V, +5 V, +12 V, switch off / -12 V, +5 V _{sb} , auto recovery Overload protection: 110...150 %, switch off Overvoltage protection: +3.3 V (+3.6...+4.3 V), +5 V (+5.5...+6.5 V), +12 V (+13.2...+15.6 V) Overcurrent protection: +3.3 V (28...38 A), +5 V (28...38 A), +12 V1/V2 (55...75 A)
Earth leakage current	<3.5 mA, 115 VAC / 230 VAC
Safety / EMC	TÜV, UL, CE
Operating temperature	0...+40°C
MTBF	App. 80 000 h at +50°C, without fan
Storage temperature	-20...+80°C
Operating humidity	20...80 % RH, non-condensing
Dimensions (WxDxH)	150 x 220 x 86 mm, ±0.5 mm
Weight (net)	4.5 kg

Article No.	Output voltage	Output current		Load regulation	Ripple & Noise
		min	max		
PSL-6A00V	+3.3 V	1 A	25 A	±5 %	60 mV
	+5 V	1 A	25 A	±5 %	60 mV
	+12 V1	1 A	50 A	±5 %	120 mV
	+12 V2	1 A	50 A	±5 %	120 mV
	-12 V	0 A	0.8 A	±10 %	120 mV
	+5 V _{sb}	0.1 A	3.5 A	±5 %	60 mV

Max. output load is 1000 W, combined max. output at +3.3 V and +5 V is 170 W, at +3.3 V, +5 V and +12 V2 600 W. Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope wqjth connected 100 µF electrolytic capacitor and 100 nF 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 PSL-6A00V



AC input

Cable harness PSL-6A00V

EPS, 460 mm



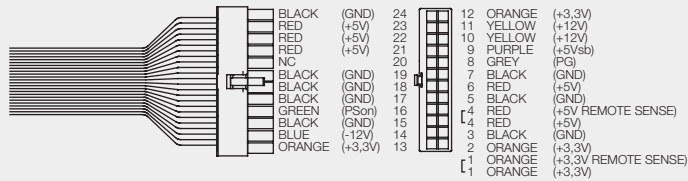
EPS, 460 mm



P4, 460 mm



EPS, 460 mm
24 Pin



PCI Express, 570 mm
6+2 Pin



PCI Express, 570 mm
6+2 Pin



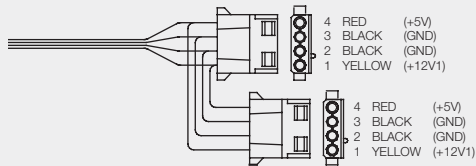
PCI Express, 660 mm
6+2 Pin



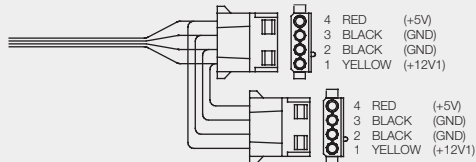
PCI Express, 660 mm
6+2 Pin



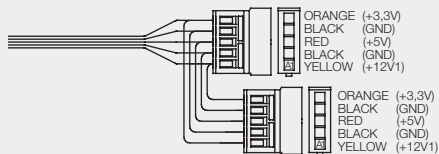
HD, 460 mm
HD, 200 mm



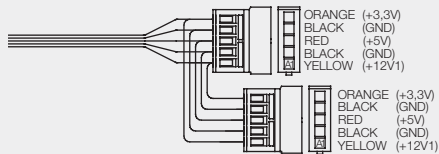
HD, 460 mm
HD, 200 mm



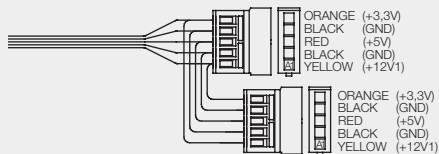
SATA, 600 mm
SATA, 200 mm



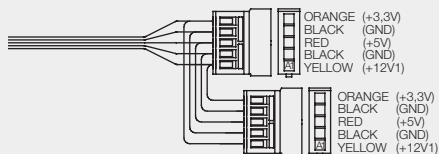
SATA, 460 mm
SATA, 200 mm



SATA, 460 mm
SATA, 200 mm



SATA, 460 mm
SATA, 200 mm



Tolerance ±20 mm

Specification is subject to change without notice. Errors excepted. Status as at: 03.08.2011