

# SS-250SU

250 Watt



- **Compact**
- **Temperature controlled fan**
- **Quiet!**

The SS-250SU provides a temperature controlled fan regulation for noise optimisation. Furthermore, it shows a very compact size and a high efficiency over 80 %, all this for a very attractive price. This Power Supply will fit in all kind of smaller PC solutions in the industrial and professional field.



## Technical data

Input voltage	100...264 V AC, active PFC
Input frequency	47...63 Hz
Input current	2.5 A (230 V AC) / 5 A (115 V AC)
Inrush current	100 A (264 V AC)
Efficiency	>80 %
Hold up time	16 msec
Power-Good-Signal	Switch on delay 100...500 msec Switch off delay 1 msec
Protection	Short circuit protection: at each output Overload protection: switch off at 135 % Overvoltage protection: +3.3 V (+3.76...+4.8 V), +5 V (+5.7...+7 V), +12 V (+15.6 V)
Earth leakage current	<3.5 mA
Safety / EMC	CE, TÜV: IEC60950-1, UL: 60950-1
Operating temperature	0...+40 °C
Derating	From +30...+40 °C 5 W / K
MTBF	100 000 h at +25 °C, without fan at 75 % load
Storage temperature	-40...+60 °C
Operating humidity	10 %...95 % RH, non-condensing
Dimensions	150 x 81.5 x 40.5 mm ±0.5 mm
Weight (net)	0.7 kg

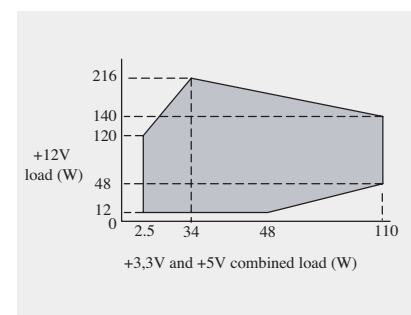
Article No.	Output voltage	Output current			Voltage regulation	Ripple & Noise
		min	max	peak		
SS-250SU	+3.3 V	0 A	14 A		±5 %	50 mV
	+5 V	0.5 A	17 A		±5 %	50 mV
	+12 V <sub>1</sub>	1 A	8 A	10 A	±5 %	120 mV
	+12 V <sub>2</sub>	1 A	14 A	16 A	±5 %	120 mV
	-12 V	0 A	0.8 A		±10 %	120 mV
	+5 V <sub>sb</sub>	0 A	2 A	2.5 A	±5 %	50 mV

Max. output on +3.3 V and +5 V combined shall not exceed 110 W, on +12 V<sub>1</sub> and +12 V<sub>2</sub> not 216 W or 18 A. Peak output can be up to max. 1 second. Peak output combined is 275 W. Ripple and Noise was measured by a 20 MHz bandwidth limited oscilloscope with connected 10 µF electrolytic capacitor and 0.1 µF ceramic capacitor at each output.

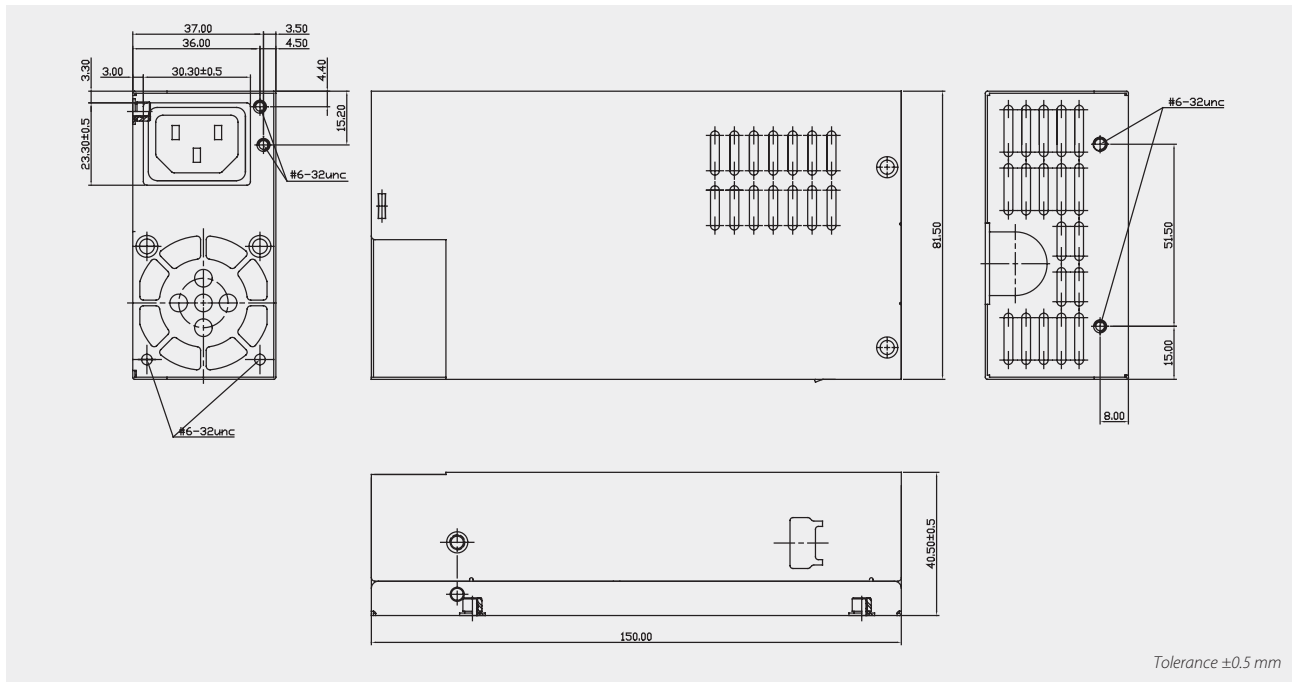
As a power component this PSU is for assembly purposes only and must not be operated in unassembled condition. The final assembly has to comply with the valid EMC and safety standards.

## Cross regulation

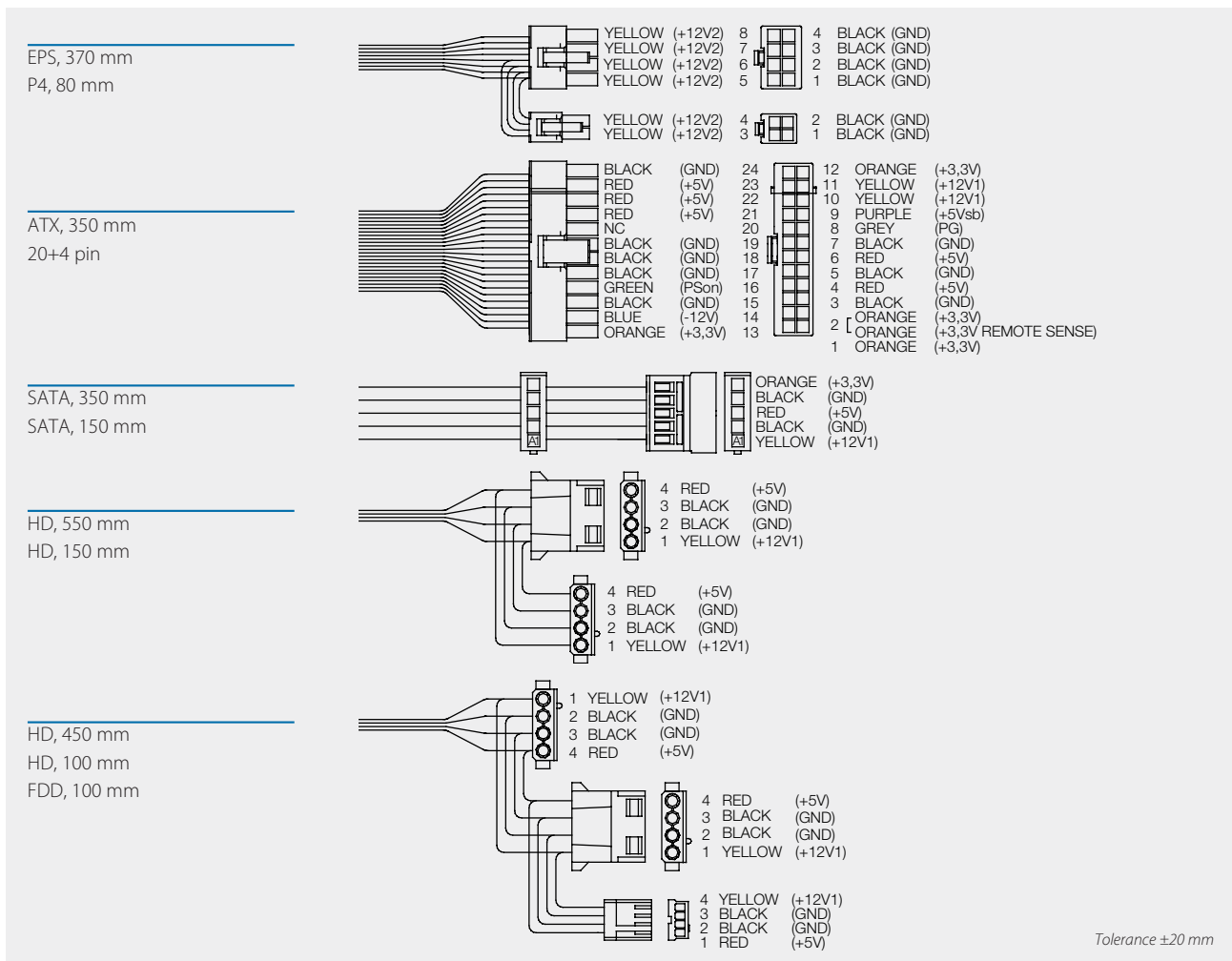
Voltage regulation on +5 V, +3.3 V and +12 V



### Drawing SS-250SU



### Cable harness SS-250SU



Specification is subject to change without notice. Errors excepted. Status as at: 31.10.2011