

## BEA-560H

600 Watt



AC input

- Efficiency up to 86 %
- Increased interference resistance
- Designed for continuous operation 24/7

The new BEA-560H is the first PC power supply to combine a high degree of energy efficiency with the robustness of an industrial PC power supply. It meets the 80 PLUS® requirements and due to its low standby consumption of <1.7W the BEA-560H can also be used for equipment in accordance with Energy Star 4.0. The high interference resistance and high-grade components guarantee a long availability of the computer. Another new feature of the BEA-560H is a safety clip to prevent accidental disconnection of the mains plug.



### Technical data

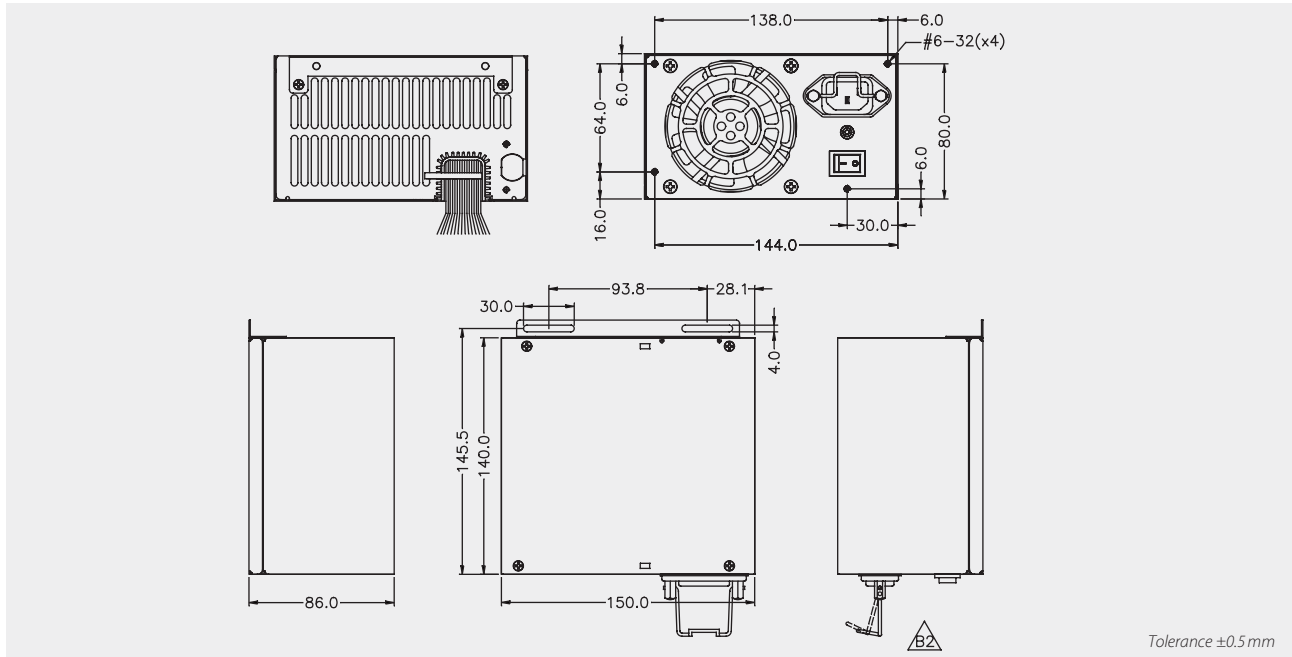
Input voltage	90...264 VAC
Input frequency	47...63 Hz
Input current	10 A (115 VAC) / 5 A (230 VAC)
Inrush current	20 A (115 VAC) / 40 A (220 VAC)
Efficiency	83-86 %
Standby consumption	<1.7 W
Hold up time	>16 ms
Power-Good-Signal	Switch on delay 100...500 ms Switch off delay 1 ms
Protection	Short circuit protection: At each output, switch off / +5V <sub>sb</sub> , auto-recovery Overload protection: 110...150%, switch off Overvoltage protection: +3.3 V (+3.6...+4.3 V), +5 V (+5.6...+6.5 V), +12 V (+13.2...+15 V)
Insulation voltage	Input / Chassis 3100 VDC Input / Output 4242 VDC
Earth leakage current	<1.5 mA, 250 VAC
Safety / EMC	TÜV, UL, CB, CCC, CE, EN61000-6-2, EN61000-6-4
Operating temperature	0...+70 °C
Derating	From +50 °C...+70 °C, 1 % / °C
MTBF	130 000 h at +50 °C, without fan
Storage temperature	-20...+80 °C
Operating humidity	10...90 %, non-condensing
Dimensions (WxDxH)	150 x 140 x 86 mm ±0.5 mm
Weight (net)	2.4 kg

Article No.	Output voltage	Output current		Load regulation	Ripple & Noise
		min	max		
BEA-560H	+3.3V	0 A	25 A	±5 %	50 mV
	+5V	0 A	25 A	±5 %	50 mV
	+12V	0.5 A	45 A	±5 %	120 mV
	-12V	0 A	0.8 A	±5 %	120 mV
	+5V <sub>sb</sub>	0.1 A	3.5 A	±5 %	50 mV

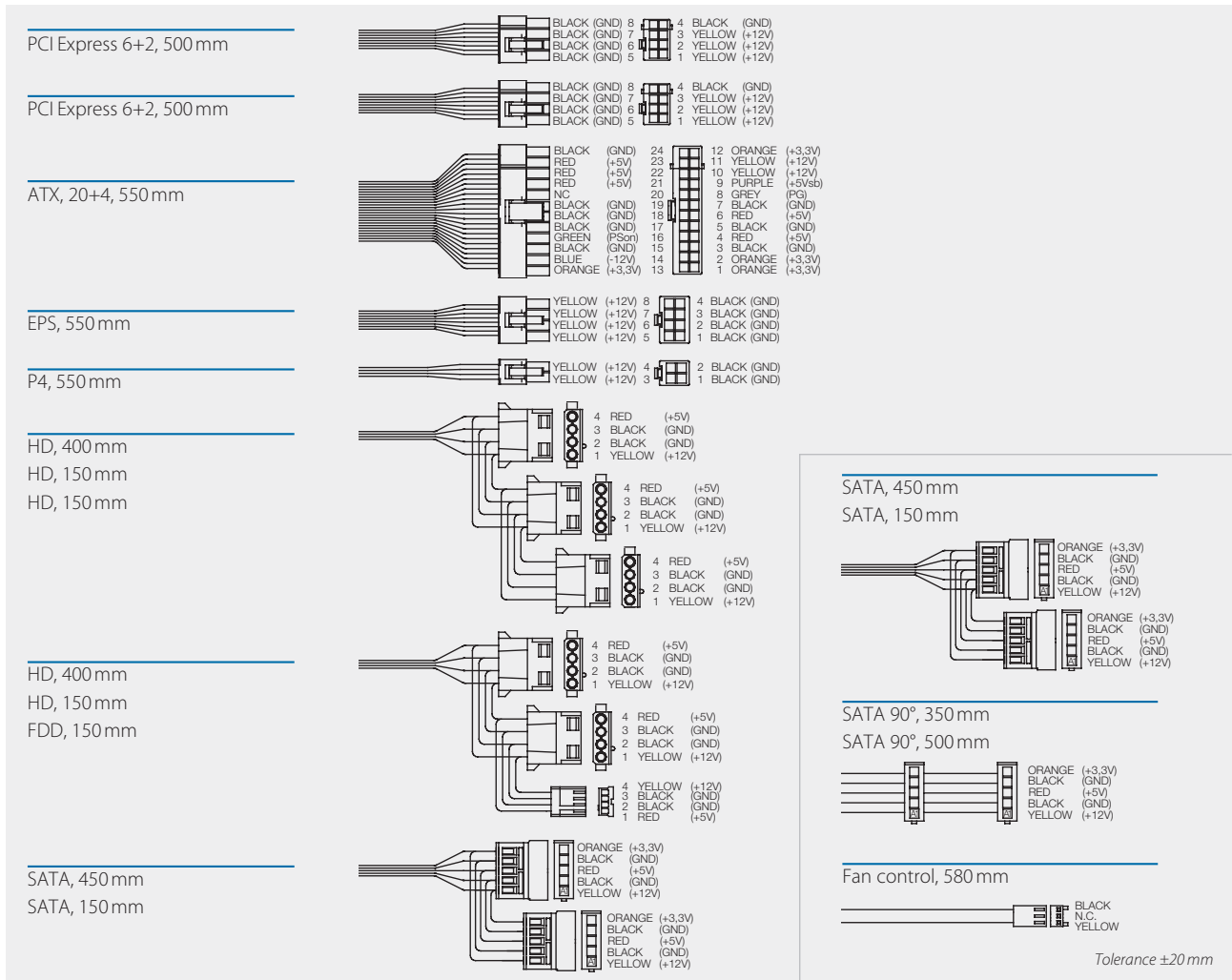
Max. output power is 600W, combined output current at +3.3V and +5V must not exceed 40A. Ripple and noise was measured by a 20 MHz-oscilloscope with connected 220 µF electrolytic capacitor and 0.1 µF ceramic capacitor at each output.

This power supply is for assembly purposes only and it must not be operated in unassembled condition. The final assembly has to comply with the valid EMC standards.

## Drawing BEA-560H



## Cable harness BEA-560H



Specification is subject to change without notice. Errors excepted. Status as at: 08.12.2011