

## BEA-586H

860 Watt



- Efficiency up to 86 %
- Excellent regulation
- Designed for continuous operation 24/7

The new BEA-586H PC power supply combines high energy efficiency with the robustness of industry PC power supplies. It ensures safe energy supply for high-performance industry PC's and computers for image processing applications. Thanks to its high efficiency the BEA-586H also meets the requirements of the 80 PLUS® standard. High quality components and an integrated fan monitoring ensure a long availability of the computer. A new feature with the BEA-586H is a safety clip securing the mains plug from being pulled out inadvertently.



AC input

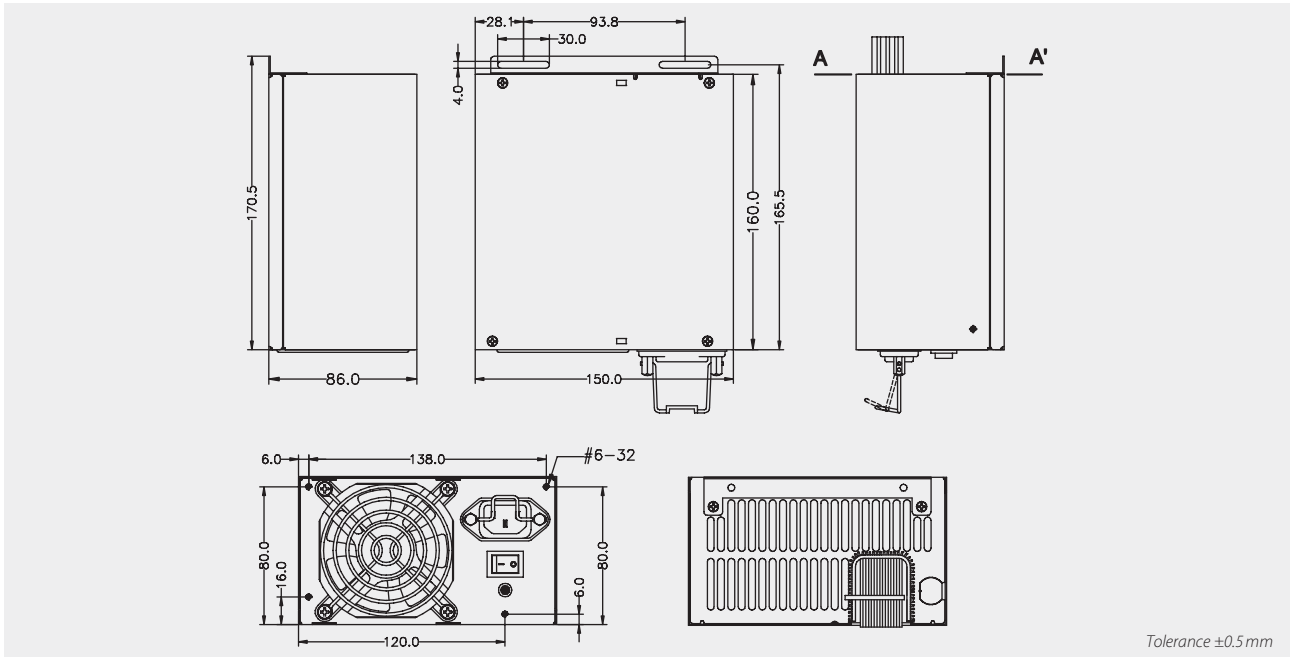
Technical data	
Input voltage	90...264 VAC
Input frequency	47...63 Hz
Input current	13 A (115 VAC) / 7 A (230 VAC)
Inrush current	20 A (115 VAC) / 40 A (220 VAC)
Efficiency	84...86 %
Standby consumption	2.4 W
Hold up time	>16 ms
Power-Good-Signal	Switch on delay 100...500 ms Switch off delay 1 ms
Protection	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...+6.7 V), +12 V (+13.2...+15 V) Overcurrent protection: +3.3 V (29.7...40.2 A), +5 V (29.7...40.2 A), +12 V (63.7...86.2 A)
Insulation voltage	Input / Chassis 3100 VDC Input / Output 4242 VDC
Earth leakage current	<1.5 mA, 250 VAC
Safety / EMC	TÜV, UL, CB, CE, CCC, EN 61000-6-2, EN 61000-6-4
Operating temperature	0...+60 °C
Derating	From +50...+60 °C, 1 % / °C
MTBF	94 000 h a +50 °C, without fan
Storage temperature	-20...+80 °C
Operating humidity	10...80 % RH, non-condensing, 10...90 % out of service
Dimensions (WxDxH)	150 x 160 x 86 mm ±0.5 mm
Weight (net)	2.6 kg

Article No.	Output voltage	Output current		Load regulation	Ripple & Noise
		min	max		
BEA-586H	+3.3V	0 A	25 A	±5 %	50 mV
	+5V	0 A	25 A	±5 %	50 mV
	+12V	0.5 A	60 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

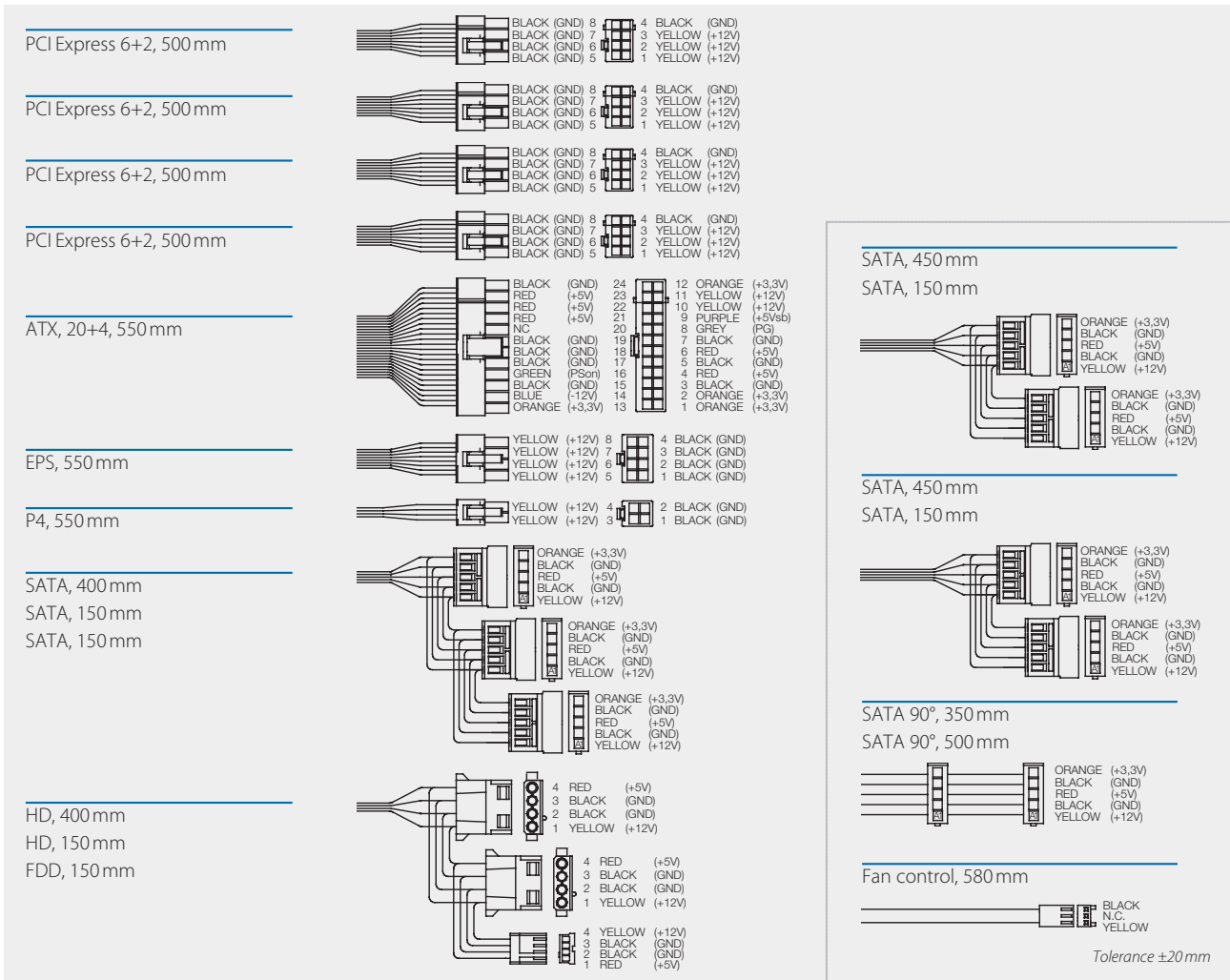
Max. output power is 860 W, combined output current at +3.3 V and +5 V must not exceed 40 A. Ripple and noise was measured by a 20 MHz oscilloscope with connected 220 µF electrolytic capacitor and 0.1 µF ceramic capacitor at each output.

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-586H



## Cable harness BEA-586H



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