TECHNICAL DATASHEET

ATX 1000W

FSP1000-50ADA

FSP1000-50ADA

Features

- Certified CB 62368-1
- 80 Plus GOLD Efficiency
- Intel Design Guide ATX 12V V3.1
- Low Ripple & Noise
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection

SAFETY STANDARD APPROVAL

E190414

DESCRIPTION

FSP 50ADA Series features with eco-friendly design, which allows 50ADA series to reach up to 90% efficiency. 50ADA series also equipped with complete protection to prevent your system from damage. 50ADA series does the job efficiently and reliably, making it a stable power supply unit built to satisfy the demands of all kind of system build.

GENERAL SPECIFICATIONS

Dimension:	150 x 150 x 86 (mm)	**Environment**	
(L x W x H)	5.51 x 5.91 x 3.39 (inch)		
Efficiency:	80 Plus Gold Efficiency	**Working temperature:**	0°C to 40°C
Hold-up time:	115V / 60Hz: ≥ 12ms	**Storage temperature:**	-40°C to + 70°C
	230V / 50Hz: ≥ 12ms		
Operating altitude	5,000 meters above sea level	**Working humidity:**	~95% RH non-condensing
MTBF:	100,000 hours of continuous operation at 25°C, Max. output load	**Storage humidity:**	~95% RH non-condensing

INPUT SPECIFICATIONS

Input voltage:	100-240Vac
Input frequency:	50-60Hz
Input current:	115 Vac @ 14A, 230 Vac @ 7A

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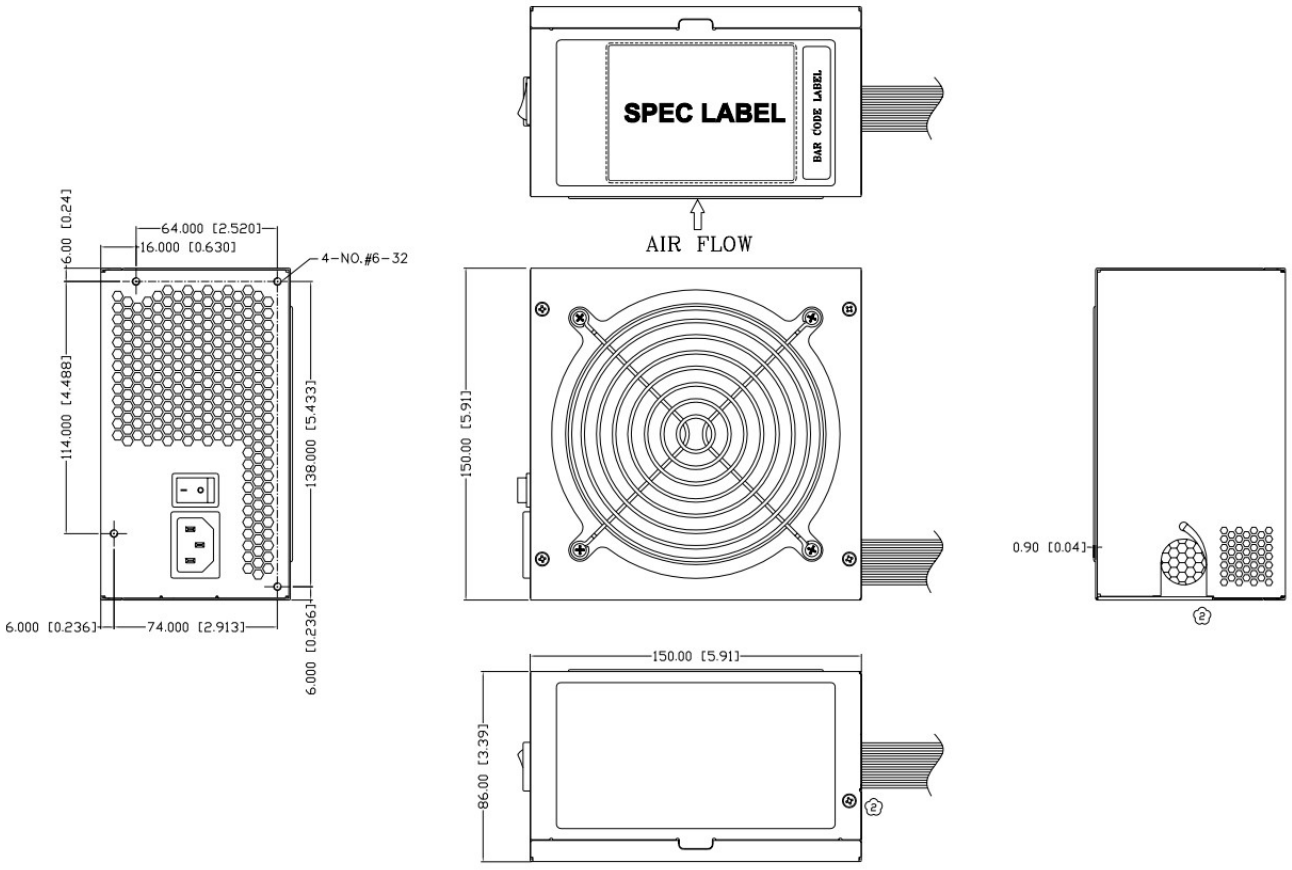
OUTPUT RATING

Outputs	+3.3V	+5V	+12V	-12V	+5Vsb
Max	20A	20A	83.83A	0.1A	3A
Min.	0A	0A	0A	0A	0A
Regulation	±5%	±5%	±5%	±10%	±5%
Ripple/Noise	50 mV	50 mV	120 mV	120 mV	50 mV

(1) The +3.3V and +5V total output shall not exceed 100W.

(2) Maximum combined current for the +12V outputs shall be 70.83A.

MECHANICAL SPECIFICATIONS



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