TECHNICAL DATASHEET

TFX 500W

FSP500-50TBA

FSP500-50TBA

Features

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

SAFETY STANDARD APPROVAL

E190414

DESCRIPTION

FSP 50TBA Series features with eco-friendly design, which allows 50TBA series to reach up to 90% efficiency. 50TBA series also equipped with complete protection to prevent your system from damage. 50TBA 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 82 x 65 (mm)
(L x W x H)	5.91 x 3.23 x 2.56 (inch)
Efficiency:	80 Plus Gold Efficiency
Hold-up time:	115V / 60Hz: ≥ 12ms 230V / 50Hz: ≥ 12ms
Operating altitude	5,000 meters above sea level
MTBF:	100,000 hours of continuous operation at 25°C, Max. output load

Environment	
Working temperature:	0°C to 40°C
Storage temperature:	-20°C to + 70°C
Working humidity:	~90% RH non-condensing
Storage humidity:	~90% RH non-condensing

INPUT SPECIFICATIONS

Input voltage:	100-240Vac
Input frequency:	50-60Hz
Input current:	115 Vac @ 6A, 230 Vac @ 3A

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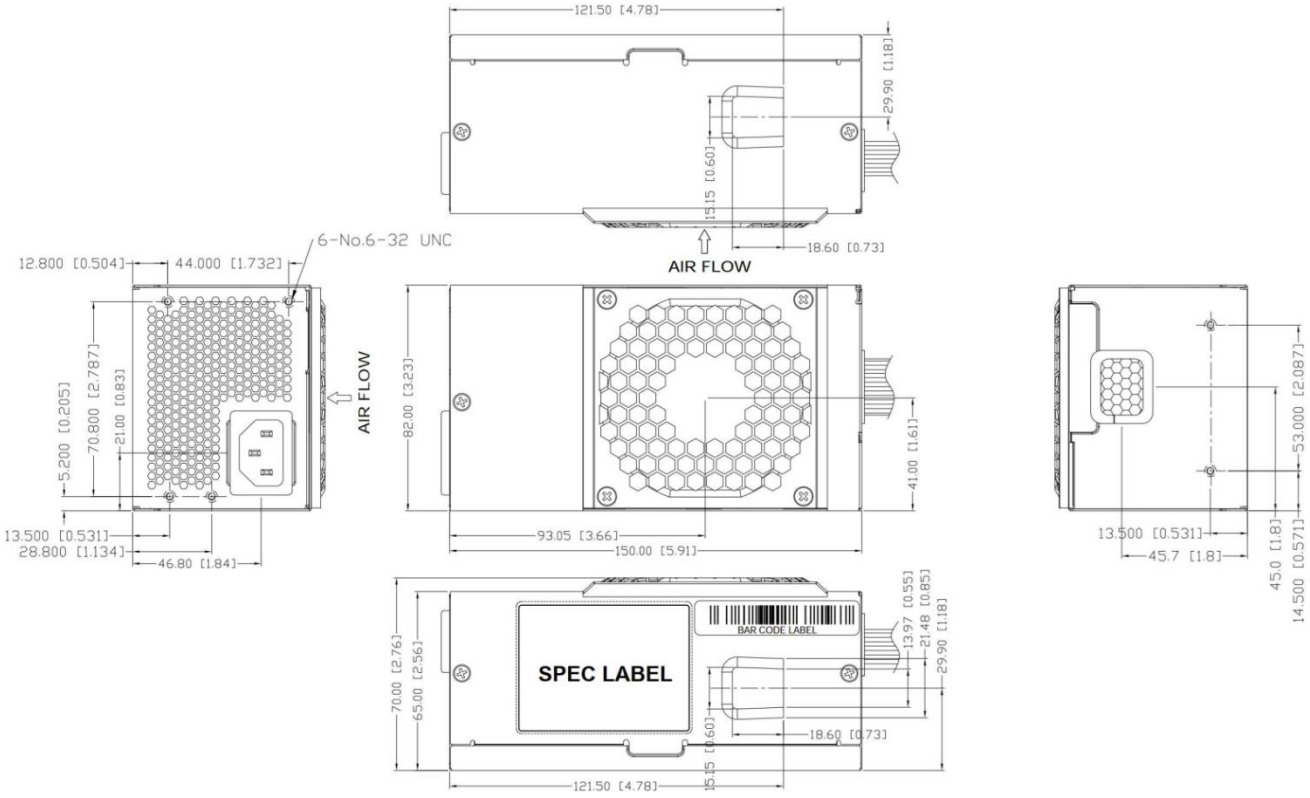
OUTPUT RATING

Outputs	+3.3V	+5V	+12V	-12V	+5Vsb
Max	16A	16A	41.66A	0.3A	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 85W.

(2) Maximum combined current for the +12V outputs shall be 41.66A.

MECHANICAL SPECIFICATIONS



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