



FSP650-50AEC

Features

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

SAFETY STANDARD APPROVAL







DESCRIPTION

FSP 50AEC Series features with eco-friendly design, which allows 50AEC series to reach up to 90% efficiency. 50AEC series also equipped with complete protection to prevent your system from damage. 50AEC 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: 140 x 150 x 86 (mm) **Environment** $(L \times W \times H)$ 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 -20°C to + 70°C Storage temperature:

230V / 50Hz: ≥ 12ms

Operating altitude 2.000 meters above sea level Working humidity: ~90% RH non-condensing

MTBF: 100,000 hours of continuous Storage humidity: ~95% RH non-condensing

operation at 25°C, Max. output load

INPUT SPECIFICATIONS

Input voltage: 100-240Vac Input frequency: 50-60Hz

Input current: 115 Vac @ 8A, 230 Vac @ 3.5A

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TECHNICAL DATASHEET ATX 650W FSP650-50AEC

OUTPUT RATING

Outputs	+3.3V	+5V	+12V	-12V	+5Vsb
Max	20A	20A	54.16A	0.1A	2.5A
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 54.16A.

MECHANICAL SPECIFICATIONS

