



## FSP850-50AEC

### Features

- Certified CB 62368-1
- 80 Plus GOLD Efficiency
- Intel Design Guide ATX 12V V3.0
- 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

<b>Dimension:</b>	140 x 150 x 86 (mm)	<b>Environment</b>	
<b>(L x W x H)</b>	5.51 x 5.91 x 3.39 (inch)	<b>Working temperature:</b>	0°C to 40°C
<b>Efficiency:</b>	80 Plus Gold Efficiency	<b>Storage temperature:</b>	-40°C to + 70°C
<b>Hold-up time:</b>	115V / 60Hz: ≥ 16ms 230V / 50Hz: ≥ 16ms	<b>Working humidity:</b>	~95% RH non-condensing
<b>Operating altitude</b>	2,000 meters above sea level	<b>Storage humidity:</b>	~95% RH non-condensing
<b>MTBF:</b>	100,000 hours of continuous operation at 25°C, Max. output load		

### INPUT SPECIFICATIONS

Input voltage:	100-240Vac
Input frequency:	50-60Hz
Input current:	115 Vac @ 10.5A, 230 Vac @ 5A

## OUTPUT RATING

Outputs	+3.3V	+5V	+12V	-12V	+5Vsb
Max	20A	20A	70.83A	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 100W.
- (2) Maximum combined current for the +12V outputs shall be 70.83A.

## MECHANICAL SPECIFICATIONS

