



## FSP450-50EGN

### Features

- Certified CB 62368-1
- 80 Plus GOLD Efficiency
- Intel Design ATX 12V V2.52
- Low Ripple & Noise
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection

### SAFETY STANDARD APPROVAL



### DESCRIPTION

FSP 50EGN Series features with eco-friendly design, which allows 50EGN series to reach up to 90% efficiency. 50EGN series also equipped with complete protection to prevent your system from damage. 50EGN 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)  
**(L x W x H)** 5.51 x 5.91 x 3.39 (inch)  
**Efficiency:** 80 Plus GOLD Efficiency

**Hold-up time:** 115V / 60Hz: ≥ 16ms

**Operating altitude** 10,000 ft 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:** -40°C to + 70°C

**Working humidity:** ~85% RH non-condensing

**Storage humidity:** ~95% RH non-condensing

### INPUT SPECIFICATIONS

**Input voltage:** 90-264Vac  
**Input frequency:** 47-63Hz  
**Input current:** 115 Vac @ 6A, 230 Vac @ 3A

**OUTPUT RATING**

Outputs	+3.3V	+5V	+12V	-12V	+5Vsb
Max	24/13.63A	8/15A	36A	0.3A	3A
Min.	0.2A	1A	1A	0A	0A
Regulation	±5%	±5%	±5%	±10%	±5%
Ripple/Noise	50 mV	50 mV	120 mV	200 mV	50 mV

(1) The +3.3V and +5V total output shall not exceed 120W.

-When +3.3V is load to 24A, the +5V maximum load is 8A.

-When +5V is load to 15A, the +3.3V maximum load is 13.63A.

**MECHANICAL SPECIFICATIONS**

