



## FSP650-27SCB

### Features

- Certified CB 62368-1
- 80 Plus GOLD Efficiency
- Intel Design Guide ATX 12VO Rev. 002
- Low Ripple & Noise
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection

### SAFETY STANDARD APPROVAL



### DESCRIPTION

FSP 27SCB Series features with eco-friendly design, which allows 27SCB series to reach up to 90% efficiency. 27SCB series also equipped with complete protection to prevent your system from damage. 27SCB 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:** 100 x 125 x 63.5 (mm)  
**(L x W x H)** 3.94 x 4.92 x 2.50 (inch)  
**Efficiency:** 80 Plus Gold Efficiency

**Hold-up time:** 115V / 60Hz: ≥ 16ms  
230V / 50Hz: ≥ 16ms  
(at 90% continuous output load)

**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:** -40°C to + 70°C

**Working humidity:** ~90% RH non-condensing

**Storage humidity:** ~90% RH non-condensing

### INPUT SPECIFICATIONS

**Input voltage:** 90-264Vac  
**Input frequency:** 47-63Hz  
**Input current:** 115 Vac @ 10A, 230 Vac @ 5A

**OUTPUT RATING**

Outputs	+12V			+12Vsb
Max Current	54.17A	infinite	-	1.5A
Peak Current	100% Load	100 ms	50% duty	
	120% Load	10 ms	25% duty	
	130% Load	1 ms	20% duty	
	150% Load	100 us	10% duty	
Ripple/Noise	120 mV			120 mV

- (1) The +12 and +12Vsb total output shall not exceed 650W.
- (2) The PSU shall deliver total power output wattages continuously when ambient temperature is under 40°C without damage and the maximum fan speed shall be controlled by fan curve chart.

**MECHANICAL SPECIFICATIONS**



