



# PC PSU FSP250-50GUB(85)

## DESCRIPTION

This is the specification of Model FSP250-50GUB(85) ; AC-line powered switching power supply with active PFC (Power Factor Correction) circuit, meet EN61000-3-2 and with Full Range Input features. Also, +5Vsb power is less than 0.5Winput at power off mode (PS\_ON input at high state) which is comply with ErP Lot 6 year 2013 requirement.

## APPLICATION

Desktop, Mini-itx

## WATTAGE

**Wattage:** 250W

## DIMENSION

**Dimension:** 150mm(L) x 81.5mm(W) x 40mm(H)

## PRODUCT HIGHLIGHT

**Efficiency Level:** 80PLUS Bronze  
**Erp Lot:** <0.5W  
**Input Voltage:** 100~240Vac

## INPUT SPECIFICATION

**Input Range:** 100-240 Vac  
**Input Frequency:** 47-63 Hz  
**Input Current:** 115V@ < 3.0 Amps - rms  
230V@ < 1.5 Amps - rms

## OUTPUT SPECIFICATION

**Output Rise Time:** + 3.3Vdc : 20ms Maximum  
+ 5 Vdc : 20ms Maximum  
+ 12 Vdc : 20ms Maximum  
+ 5 Vsb : 25ms Maximum  
- 12 Vdc : 20ms Maximum

### \*Output Voltage and Current Rating

	<b>+3.3V</b>	<b>+5V</b>	<b>+12V1</b>	<b>-12V</b>	<b>-5V</b>
<b>Ripple-Noise(R-P) mV</b>	50mV	50mV	120mV	120mV	50mV
<b>Regulation Load %</b>	±5%	±5%	±5%	±10%	±5%
<b>Output Max.(A)</b>	18A	18A	17A	0.5A	2A
<b>Output Min.(A)</b>	0.1A	0.2A	0.5A	0A	0A

## NOTES

(1)+3.3V & +5V total output not exceed 100W.

(2)Total output continuous shall not exceed 250W.



## SAFETY STANDARD APPROVAL



## GENERAL SPECIFICATION

**Efficiency:** 80PLUS Bronze  
**PWOK Delay Time:** 500ms > PWOK > 100ms  
**EMC Performance:** EN55022 class B  
EN55024  
EN 61000-3-2  
EN 61000-3-3

## ENVIRONMENTAL SPECIFICATION

**TEMP.Range:** Operating Temperature:10°C to +50°C  
Storage Temperature: -20°C to +80°C  
**MTBF:** The power supply reliability, when calculated by MIL-HDBK-217; latest revision, are exceed 100,000 hours with all output at maximum load and an ambient temperature of 25°C.

This content is subject to change, please refer to specification for more detail.  
FSP reserve the right to change the content without prior notice