

## DESCRIPTION

FSP300-60RGHBA is an industrial level of switching power supply. The power supply comes to offer the total power capacity up to 300 Watts, and uses unique active PFC (Power Factor Correction) circuit design with its high-load electrical components, makes it to be perfectly used in an industrial environment. In addition, with its full range of input and output electrical features, the power supply is ideally the best choice for server, workstation, communication or any other automation applications to use. The product also complies with the latest safety and EMC standards, which is perfectly to meet various regulations worldwide.



## APPLICATION

Mainly for 1U server, storage and networking appliances.

## FEATURES

- Remarkable power density
- Excellent redundant PSU efficiency
- Operating altitude complies with 5Km certification
- Well working performance at 50°C (24 house running)
- Low ripple and noise
- Support OTP, OVP, OCP and SCP circuit protection
- Comply with FCC, CB, TUV, CE and CCC certification or declaration requirement

## WATTAGE

**Wattage:** 300W

## DIMENSION

**Dimension:** 260mm(L) x 106mm(W) x 41.3mm(H)

## PRODUCT HIGHLIGHT

**Efficiency Level:** 80 Plus Gold  
**Altitude:** 5000M

## INPUT SPECIFICATION

**Input Range:** 90-264 Vac  
**Input Frequency:** 47-63 Hz  
**Input Current:** 110V@40A, 230V@80A for Input  
Inrush current

## GENERAL SPECIFICATION

**Efficiency:** 82% 230VAC  
**Voltage** +3.3V, +12V, +5V, +5SB: ±5%  
**Regulation:** -12V: ±10%

### \*Output Voltage and Current Rating

	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
<b>Ripple-Noise(R-P) mV</b>	50mV	50mV	120mV	120mV	120mV	50mV
<b>Regulation Load %</b>	±5%	±5%	±5%	±5%	±10%	±5%
<b>Output Max.(A)</b>	20A	20A	14A	14A	0.5A	2A
<b>Output Min.(A)</b>	0A	0A	0.5A	0.5A	0A	0A

## NOTES

- Maximum continuous total DC output power should not exceed 300W.
- Maximum continuous combined load on +3.3 VDC and +5VDC outputs shall not exceed 103W.

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

## SAFETY STANDARD APPAVAL



## OUTPUT SPECIFICATION

**Output Voltage Regulation:**  
+3.3Vdc output : +3.9 Vdc minimum, + 4.5Vdc maximum  
+5Vdc output : +5.7 Vdc minimum, + 6.5Vdc maximum  
+12Vdc output : +13.3 Vdc minimum, + 14.5Vdc maximum

**Ripple & Noise:**  
3.3V:50mV p-p  
5V:50mV p-p  
12V1:120mV p-p  
12V2:120mV p-p  
-12V:120mV p-p  
5Vsb:50mV p-p

## ENVIRONMENTAL SPECIFICATION

**TEMP.Range:** Storage Temperature: -40°C to + 70°C  
The power supply have a minimum predicted MTBF(MIL-HDBK-217) of 100,000 hours of continuous operation at 25°C, 70% output load, and nominal AC inout voltage

## MTBF: