

Designed for **24/7** continuous operation

DESCRIPTION

FSP400-72PFL; AC-line powered switching power supply with active PFC circuit, meet EN61000-3-2, with Full Range Input features. Complied with ATX12V and Haswell standards and has an output power of 400 watts. The 5Vsb power is less than 0.5W at power off mode which is conform to ErP Lot 6 year 2013 requirement.

SOME POSSIBLE APPLICATION

Workstation, Gaming, POS

FEATURES

- * High efficiency, meet 80PLUS BRONZE standards.
- * Built-in active PFC function, > 0.98 at full load / 115Vrms input.
- * With OVP, OCP, & SCP protection function.
- * Internal 12cm DC Fan included, low acoustic noise.
- * Extremely low noise (19.8db @ 40% load)
- * Including 8PIN EPS and 6+2PIN VGA connector

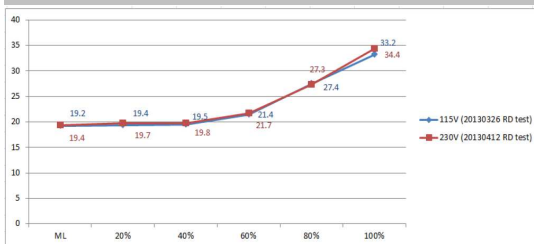
INPUT SPECIFICATIONS

Input Range:	90-264 Vac
Input Frequency:	47-63 Hz
Input Current:	400W: max. 4.0A@230V, max. 8.0A@115V
Leakage Current:	max. 3.5mA-rms at 264Vac,63Hz

OUTPUT SPECIFICATIONS

Output Voltage/Current:	see rating chart.
Max. Output Power:	see rating chart.
Ripple & Noise:	+3.3V, +5V, 5VSB: 50mV p-p +12V1, +12V2, -12V: 120mV p-p -5V: 100mV p-p
Over Voltage Protection:	+3.3 Vdc: 3.7V-4.8V +5Vdc: 5.7V-7.0V +12Vdc: 13.3V – 16V
Over Current Protection:	+12V1,+12V2: 20A~28A
Short Circuit Protection:	load < 0,1 Ohm

Noise Level

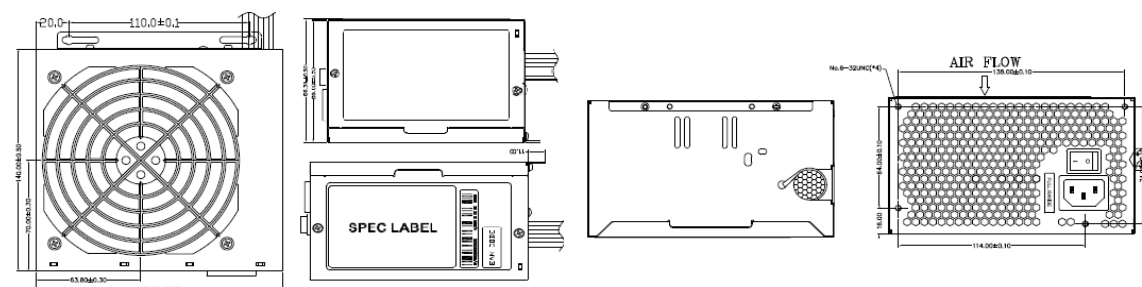


OUTPUT RATING CHART

Model Name	Max. Output Watt.	Output Current														+3.3V & +5V max. combined output power
		+3.3V		+5V		+12V1		+12V2		-12V		-5V		+5VSB		
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
FSP400-72PFL	400W	0,5A	21,0A	0,5A	16,0A	0,5A	17,0A	0,5A	17,0A	0,0A	0,5A	0,0A	0,3A	0,0A	3,0A	110W

Remark: (a) -5V Optional, +5vsb peak power up to 3.5W <= 10ms.

MECHANICAL SPECIFICATIONS



FSP400-72PFL SERIES



Dimension (LxWxH): 140x150x86mm



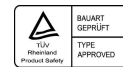
SAFETY STANDARD APPROVALS



UL 60950
File No. E190414



CFR 47 Part 15 Subpart B
CISPR 22/1997 (Class B)



TUV EN 60950-1



GB4943.1-2011



IEC 60950-1



GENERAL SPECIFICATIONS

Efficiency (Typical):	85% @230VAC
Voltage Regulation:	+3.3V, +5V, +12V1, +12V2, 5VSB : ±5% -5V, -12V : ±10%
Inrush Current:	80A@115V, or 160A@230V
Hold-up Time:	min. 10ms@115Vac/230Vac, full load
Output Rise Time:	max. 20ms@115Vrms/230Vrms
PWOK Delay Time:	500ms >PWOK>100ms
MTBF:	min. 100,000 hours, full load @25°C
EMC Performance:	EN55022 class B EN61000-3-2 EN61000-4-4 EN61000-4-5 EN61000-4-11 EN61000-4-2

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature:	0°C to +50°C
Storage Temperature:	-20°C to +80°C
Relative Operating Humidity:	5%-85% RH, Non-condensing
Relative Storage Humidity:	5%-95% RH, Non-condensing
Vibration Operating:	sine wave excited 0.02g ² /HZ from 20Hz~500Hz, for 20 minutes without loss of any function.