

**ATX**

**FSP-PFB/PFH Series (350W~550W)**

**FEATURE**

- Meet 80 Plus STANDARD : PFB Series
- Meet 80 Plus SILVER : PFH Series
- Build in Active PFC Function
- High Efficiency
- Low Ripple & Noise
- With OVP, OCP and SCP Protection



**SAFETY STANDARD APPROVAL**



**INPUT SPECIFICATION**

Input Voltage	90~264 Vac
Input Frequency	47~63 Hz
Input Current	Max. 6.0A @ 115V, Max. 3.0A @ 230V : PFB Series Max. 8.0A @ 115V, Max. 4.0A @ 230V : PFH Series
Earth leakage current	Max 3.5mA @ 264Vac/60Hz

**OUTPUT SPECIFICATION**

Output Voltage/ Current	See Product Series List
Output Regulation Load	+3.3V, +5V, +12V1, +12V2, 5Vsb : ±5% -12V: ±10%
Ripple and noise	+3.3V, +5V, +5VSB: 50mV p-p / +12V, -12V: 120mV p-p
Output Rise Time	115V-rms/230V-rms + 5V: 20ms Maximum 115V-rms/230V-rms +12V: 20ms Maximum
Over Voltage Protection	+3.3Vdc output: Protection point 3.5V~4.5V +5Vdc output: Protection point 5.7V~6.82V +12Vdc output: Protection point 13.4V~15.6V
Short Circuit Protection	Output short circuit is defined to be a short circuit load of less than 0.1 ohm
Hold Up Time	Min. 17mS @115Vac/230Vac, Full Load

**ENVIROMENTAL**

Operating Temperature	0°C~50°C
Storage Temperature	- 20°C~80°C
Operating Humidity	5~85%, RH, Non-Condensing
Storage Humidity	5~95%, RH, Non-Condensing
MTBF	Min. 100,000 hours at full load at 25°C ambient, predicated by MIL-HDBK-217F

**EMC & Safety**

Safety Standard	EN60950-1 : PFB Series EN60950-1-2 : PFH Series
Emission	EN55022, Class B Conducted / Class B Radiated FCC Part15, Class B

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PRODUCT SERIES LIST

Model Name	Total Output Watt.	Output Current											
		+3.3V		+5V		+12V1		+12V2		-12V		+5VSB	
		Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)	Min(A)	Max(A)
FSP350-60PFB	350W	0.3	20.0	0.5	20.0	1.0	16.0	1.0	16.0	0.0	0.5	0.0	2.5
FSP400-60PFB	400W	0.3	20.0	0.5	20.0	1.0	16.0	1.0	16.0	0.0	0.5	0.0	2.5
FSP460-60PFB	460W	0.3	22.0	0.5	20.0	1.0	16.0	1.0	16.0	0.0	0.5	0.0	2.5
FSP500-60PFH	500W	0.1	24.0	0.2	20.0	0.1	16.0	0.5	16.0	0.0	0.5	0.0	3.5
FSP550-60PFH	550W	0.1	24.0	0.2	20.0	0.1	16.0	0.5	16.0	0.0	0.5	0.0	3.0

Note:

-12V,+3.3V,+5V,+12V will have the regulation±10% when all load take off.

**FSP350-60PFB:** (1)The +3.3V and +5V total output shall not exceed 150watts (2)The +3.3V and +5V and +12V1 and +12V2 total output shall not exceed 335watts (3)total output for this subject power is 350watts

**FSP400-60PFB:** (1)The+ 3.3V and+ 5V total output shall not exceed 150watts (2)The+ 3.3V, +5V, +12V1 and+12V2 total output shall not exceed 385watts (3)Total output for this subject power is 400watts

**FSP460-60PFB:** (1)The+ 3.3V and +5V total output shall not exceed 150 watts. (2) Total output for this subject power supply is 460 watts.

**FSP500-60PFH:**(1)The +3.3V and +5V total output shall not exceed 150 watts. (2) Total output for this subject power supply is 500 watts.

**FSP550-60PFH:**(1)The +3.3V and +5V total output shall not exceed 150 watts. (2) Total output for this subject power supply is 550 watts.

Mechanical Drawing

Dimension 140(L) x 150(W) x 86(H) mm

