

# SPECIFICATION

**520W  
PS/2 form factor  
Power Supply  
with Active PFC, ATX 12V, P4**

**MODEL: P6522S PF**

## Electrical Specifications

- **Complied with the specification of Intel ATX 2.03V, ATX 12V, Ver 1.2 (Pentium 4) and AMD Athlon**
- **Providing the option of “Active Power Factor Correction” function reduces energy wastage to An absolute minimum**
- **+5VSB reaches 2 AMP, enable for system suspend to RAM**

Specification subject to change without prior notice unless we have a written agreement.



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◆ **INPUT CHARACTERISTICS:**

- VOLTAGE: 90 VAC ~ 264 VAC FULL RANGE
- FREQUENCY: 47 ~63 HZ
- INPUT CURRENT: 10 A (RMS)
- INRUSH CURRENT: 79 A MAX



◆ **SPECIFICATION:**

- EFFICIENCY: 68% TYPICAL, FULL LOAD CONDITION AT 115/230 VAC INPUT.
- POWER GOOD SIGNAL: ON DELAY TIME 100 ~ 500 ms, OFF DELAY TIME 1ms.
- HOLD UP TIME: 16ms AT 25°C FULL LOAD CONDITION AT 115/230 VAC INPUT.
- OPERATING TEMPERATURE RANGE: 10°C ~ 50°C.
- REMOTE ON/OFF CONTROL: THE POWER SUPPLY OUTPUT SHALL BE ENABLED WITH AN ACTIVE-LOW TTL SIGNAL. WHEN TTL SIGNAL IS LOW, THE DC OUTPUTS ARE TO BE ENABLED. WHEN TTL SIGNAL IS HIGH OR OPEN CIRCUITED, THE DC OUTPUTS ARE TO BE DISABLED.
- OVER POWER PROTECTION: AT 115/230 VAC INPUT THE POWER SUPPLY WILL SHUT DOWN ALL DC OUTPUT WITH IN 105% TO 140% OF FULL LOAD.
- OVER VOLTAGE PROTECTION: +5V → 7.0V, +12V → 15.6V, +3.3V → 4.3V.
- EMI REQUIREMENT: FCC PART 15 SUB PART J CLASS B AT SYSTEM LOAD, CISPR 22 CLASS B.
- SAFETY: UL, CSA, TUV, D, N, S, FI, CB, 3C.
- DIMENSION: 150 (D) x 140 (W) x 86 (H) mm.
- COOLING: ONE 80mm DC FAN, ONE 90mm DC FAN.
- ACTIVE POWER FACTOR CORRECTION MEET EN-6100-3-2 CLASS D.

◆ **OUTPUT CHARACTERISTICS:**

OUTPUT VOLTAGE	OUTPUT CURRENT		REGULATION		OUTPUT	
	MIN [A]	MAX [A]	LOAD	LINE	RIPPLE MAX [P-P]	NOISE MAX [P-P]
+5V	0.3	40	±5%	±1%	50mV	50mV
+12V	0	22	±5%	±1%	120mV	120mV
+3.3V	0.3	30	±5%	±1%	50mV	50mV
-5V	0	0.5	±10%	±1%	100mV	100mV
-12V	0	1.0	±10%	±1%	120mV	120mV
+5VSB	0	2.0	±5%	±1%	50mV	50mV

1. MAXIMUM CONTINUOUS COMBINED LOAD ON +5V AND +3.3V OUTPUTS SHALL NOT EXCEED 250W.
2. MAXIMUM CONTINUOUS COMBINED LOAD ON +5V, +3.3V AND +12V OUTPUTS SHALL NOT EXCEED 496W.
3. MAXIMUM CONTINUOUS TOTAL DC OUTPUT POWER SHALL NOT EXCEED 520W.