

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
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Sparkle Power Inc.

A Leading Power Supply manufacturer
Web site: www.sparklepower.com



FSP180-50NIV (For Pentium 4)

180 Watts SFX12V Switching Power Supply

Features

- Complied with SFX and SFX12V standard
- High efficiency and reliability
- Remote On/Off function
- Internal 12V DC fan included
- Noise Killer (Thermal fan speed control function)
- Low noise and ripple
- Complies with FCC part 15 subpart J Class B and CISPR 22 Class B
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Re-settable power shut down
- Approved by UL 1950, CSA C22.2 Level 3, TUV EN60950, NEMKO (CB Report)

Specification

- **Temperature Range:** Operating 0° C ~ +50° C on full load; storage & shipping -20° C ~ +65° C
- **Humidity:** 90% on operating and 95% on storage
- **Dielectric Withstand:** Input to frame ground 1800V AC for 1 second
- **Efficiency:** 65% at minimum measured at nominal AC main voltage and frequency with maximum load on all output
- **Rise Time:** Less than 20ms on all output
- **Hold-up Time:** 16.6ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ms to 500 ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Less than 3.5mA
- **MTBF:** 100,000 hours on maximum load at +25° C degree
- **Dimension (WxHxL):** 125x76.4x100mm/5”x3”x4” inches

Input Characteristics

Input Range: 95~132/190~264V AC, Manual selection
Frequency: 47~63Hz
Input Current: 6A (RMS) @115V AC, 3A (RMS) @230V AC
Inrush Current: 50A Max for 132V AC Cold start

Output Characteristics

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.5A	11.5/16.7A	± 5%	± 1%	50mV P-P
+5V	1.0A	16/12.6A	± 5%	± 1%	50mV P-P
+12V	2.0A	10A	± 5%	± 1%	120mV P-P
-12V	0.0A	0.3A	± 10%	± 2%	120mV P-P
+5Vsb	0.0A	2.0 A	± 5%	± 1%	50mV P-P

*+5V and +3.3V total output not exceed 118W
*+3.3V, +5V, and +12V total output cannot exceed 165W
*When +3.3Vis load on 16.7A, the +5V maximum load is 12.6A
*When +3.3Vis load on 11.5A, the +5V maximum load is 16A

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We buy equipment

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