Sparkle Power Inc.
A Leading Power Supply Manufacturer

220 Watts MEDICAL POWER SUPPLIES

FEATURES

- Active Power Factor Correction (PFC)
- Meet EN61000-3-2
- High efficiency and reliability
- Low noise and ripple
- Compliant with RoHS directive 2011/65/EU, WEEE directive 2002/96/EC
- Over voltage and over current protection
- Short circuit and thermal protection
- Resettable power shut down
- Internal 4cm 12Vdc fan
- 100% burn-in, Hi-pot, and ATE tested
- Meet EMI Regulatory; FCC Part 15 Subpart J, Class B 115Vac; CISPR 22 Class B 230Vac
- Safety approvals : UL/CUL60601, TUV 60601, CB, CE, FCC, EMC

FSP220-60MPC

220 Watts Flex ATX Medical Grade

(80 PLUS Bronze, RoHS Compliant)

GENERAL SPECIFICATIONS

- **Operating Temperature:** 0°C ~ +50°C
- **Storage Temperature:** -20°C ~ +80°C
- **Operating Humidity**: 85% RH, Non-condensing
- **Storage Humidity**: 95% RH, Non-condensing
- **Efficiency:** Typical load > 85%
- **Leakage Current:** < 0.5mA at 264Vac, 50Hz
- **Rise time:** 20ms Maximum
- **Hold-up Time:** 17 ms Minimum at 100% load
- **Dielectric Withstand:** 1800Vac for 1 second
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL and CMOS compatible)
- **MTBF:** > 100,000 hours at 100% load, 25°C
- **Dimensions:** 190mm (L) x 81mm (W) x 40.5mm (H)

INPUT CHARACTERISTICS

Input Range: 90 ~ 264Vac, Full Range Input
Frequency: 47 ~ 63Hz
Inrush Current: Cold start no damage
Maximum Input Line Current:

Model	115 Vac	230 Vac
FSP220-60MPC	4A	2A

OUTPUT CHARACTERISTICS

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.3A	9.0A	± 5%	50mV P-P
+5V	0.5A	12.0A	± 5%	50mV P-P
+12V	1.0A	14.0A	± 5%	120mV P-P
-12V	0A	0.3A	± 10%	120mV P-P
-5V	0A	0.3A	± 10%	100mV P-P
+5Vsb	0A	2.5A	± 5%	50mV P-P

* +3.3V, +5V, +12V and -12V will have the regulation up to ± 10% when all loads take off.
* The +3.3V and +5V total output shall not exceed 60W.

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