



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 8cm 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

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 |
|--------------|---------|---------|
| FSP600-90MPB | 8A | 4A |

OUTPUT CHARACTERISTICS

| Output Voltage | Minimum Load | Maximum Load | Load Reg. | Ripple & Noise |
|----------------|--------------|--------------|-----------|----------------|
| +3.3V | 0.5A | 24.0A | ± 5% | 50mV P-P |
| +5V | 0.5A | 24.0A | ± 5% | 50mV P-P |
| +12V1 | 0.5A | 16.0A | ± 5% | 120mV P-P |
| +12V2 | 0.5A | 16.0A | ± 5% | 120mV P-P |
| +12V3 | 0.5A | 16.0A | ± 5% | 120mV P-P |
| +12V4 | 0.5A | 16.0A | ± 5% | 120mV P-P |
| -12V | 0A | 0.5A | ± 10% | 120mV P-P |
| -5V | 0A | 0.2A | ± 10% | 100mV P-P |
| +5Vsb | 0.1A | 3.5A | ± 5% | 50mV P-P |

* The +3.3V and +5V total output shall not exceed 160W.

FSP600-90MPB

600 Watts 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:** < 0.3mA at 264Vac, 50Hz
- **Rise time:** 20ms Maximum
- **Hold-up Time:** 13 ms Minimum at 100% load
- **Dielectric Withstand:** 1800Vac for 2 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:** 165mm (L) x 150mm (W) x 86mm (H)