



Sparkle Power Inc.
 A Leading Power Supply Manufacturer
 Web site: www.sparklepower.com

SPI600ACBMB
(80PLUS BRONZE, RoHS Compliant)
600 Watts ATX12V, Medical Grade Power Supply



Features

- Complied with ATX12V standard
- Active Power Factor Correction (PFC) meet EN61000-3-2
- High efficiency and reliability
- Compatible with European Union Directive 2002/95/EC (Restriction on Hazardous Substances).
- Remote ON/OFF function
- Internal 12V DC fan included
- Low noise and ripple
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Re-settable power shut down
- FCC Part 15 Subpart J, Class ‘B’ 115 Vac operation. CISPR 22 Class ‘B’ 230 Vac operation.
- Approved by UL 60601, TUV 60601, FCC, EMC,CE, CB REPORT(IEC 60601)

Input Characteristics

Input Range: 90 ~ 265Vac , Full Range Input
Frequency: 47 ~ 63Hz
Input Current: Max 8A @ 115Vac,4A @ 230Vac
Inrush Current: No damage

Output Characteristics

| Output Voltage | Minimum Load | Normal Load | Maximum Load | Load Reg. | Ripple & Noise |
|----------------|--------------|-------------|--------------|-----------|----------------|
| +3.3V | 0.5A | 12A | 24A | ± 5% | 50mV P-P |
| +5V | 0.5A | 12A | 24A | ± 5% | 50mV P-P |
| +12V1 | 0.5A | 8A | 16A | ± 5% | 120mV P-P |
| +12V2 | 0.5A | 8A | 16A | ± 5% | 120mV P-P |
| +12V3 | 0.5A | 8A | 16A | ± 5% | 120mV P-P |
| +12V4 | 0.5A | 8A | 16A | ± 5% | 120mV P-P |
| -12V | 0A | 0.25A | 0.5A | ± 10% | 120mV P-P |
| +5Vsb | 0.1A | 1.75A | 3.5A | ± 5% | 50mV P-P |
| -5V | 0A | 0.1A | 0.2A | ± 10% | 100mV P-P |

Specification

- **Temperature Range:** Operating: 0°C ~ +50°C ; storage & shipping: -20°C ~ +80°C
- **Humidity:** 85% on operating,95% on storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 1 second
- **Efficiency:** 82% minimum
- **Rise time:** Less than 20ms
- **Hold-up Time:** 13ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL compatible)
- **Leakage Current:** Less than 0.3mA at 264Vac,63Hz
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):** 165x150x86mm / 6.5x5.9x3.4inch

- (1) The +3.3V and +5V total output shall not exceed 160W.
- (2) Total Output for this subject power

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