



**Sparkle Power Inc.**  
A Leading Power Supply Manufacturer  
Web site: [www.sparklepower.com](http://www.sparklepower.com)

**SPI700ACBMB**  
**(80PLUS BRONZE, RoHS Compliant)**  
**700 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	15A	30A	± 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	0.05A	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 180W.
- (2) The +12V1 and +12V2 and +12V3 and +12V4 total output shall not exceed 50A
- (3) Total Output for this subject power supply

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