



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

MAGNA 1200(R-SPM1200AXJ8) **(80 Plus Bronze and RoHS Compliant)** **1200 Watts ATX12V& EPS12V Switching Power Supply**

Features

- Complied with ATX12V and EPS12V 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
- Noise Killer (thermal fan speed control function)
- 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
- Complies with FCC part 15 subpart J class B 115Vac operation, and CISPR 22 class B at 230Vac operation
- Approved by UL/CUL 60950-1, CB,CE,TUV, Nemko ,FCC

Input Characteristics

Input Range: 90 ~ 264Vac, Full Range Input

Frequency: 47 ~ 63Hz

Input Current: Max 15A @ 115Vac, 7.5A @ 230Vac

Inrush Current: No damage

Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.0A	15A	30A	± 5%	100mV P-P
+5V	0.0A	15A	30A	± 5%	100mV P-P
+12V1~+12V6	0.0A	10A	20A	± 5%	240mV P-P
-12V	0.0A	0.3A	0.6A	± 10%	240mV P-P
+5Vsb	0.0A	2.0A	4.0A	± 5%	100mV P-P

* +3.3V and +5V total output not exceed 210W.

* Maximum combined current for the 12V outputs shall be 90 A.

* Total output for this subject power supply is 1200W

Sparkle Power Inc.

Main Office

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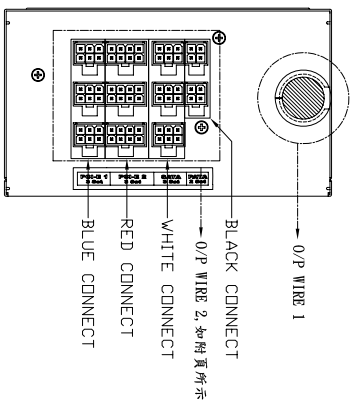


Specification

- **Temperature Range:** Operating: 0°C ~ +50°C ; 1200W at 30°C, Derate 10W/°C from 50°C to 30°C ,1000W at 50°C.
Storage & shipping: -20°C ~ +80°C
- **Humidity:** 5%~95% on operating, 5%~ 95% on storage
- **Dielectric Withstand:** Primary frame ground 1800V AC for 1 second
- **Efficiency:** typical > 85%
- **Rise time:** Less than 20ms
- **Hold-up Time:** 17ms minimum at nominal input voltage
- **Power Good Signal:** Power on delay time 100 ~ 500ms, off delay 1ms minimum (TTL and CMOS compatible)
- **Leakage Current:** Less than 3.5mA.
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Dimensions (LxWxH):** 180x150x85.8mm/7.1x5.9x3.4inch

REF. ID.	SIGNAL	CABLE LENGTH
P4 & P7	+12V3	500 $\pm$ 80 mm
P5 & P8	+12V4	500 $\pm$ 80 mm
P6 & P9	+12V5	500 $\pm$ 80 mm
P10&P14&P17	+12V6	500 $\pm$ 80 mm
P11&P12&P13	+12V6	150 $\pm$ 80 mm
P15&P16	+12V6	150 $\pm$ 80 mm
P18&P19	+12V6	150 $\pm$ 80 mm
P20& P24	+12V6	500 $\pm$ 80 mm
P21&P22&P23	+12V6	150 $\pm$ 80 mm
P25&P26&P27	+12V6	150 $\pm$ 80 mm

UNIT:mm



NOTE:

1. ALL THE LENGTH OF
OUTPUT WIRES EXCLUDE HOUSING.
2. 產地標籤依業務指示加貼。
3. CASE顏色為BLACK C 2X加亮光漆

MODEL NO.:SPM1200AXJ8(S03001)		TITLE: ASSY		SHEET: 1 OF 2		REV:02	
R&D(10)	PE	CHECKED	DESIGN	DRAWN	DATE		
				kennyllu	JUL.23.2008		
							

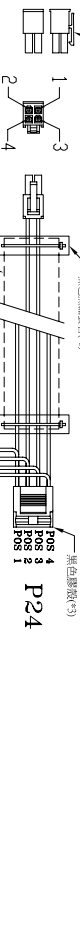
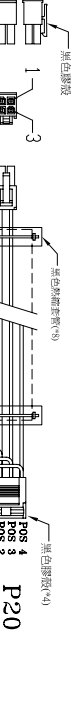
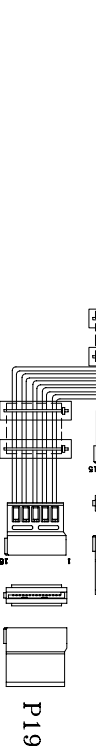
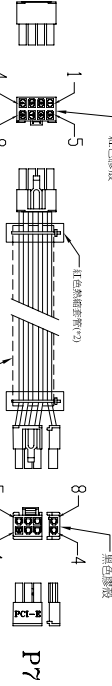
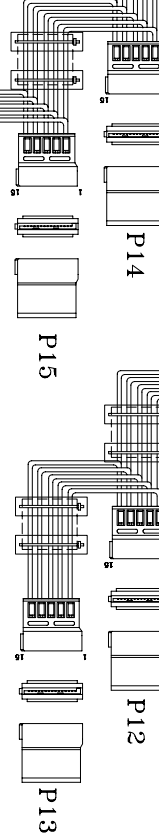
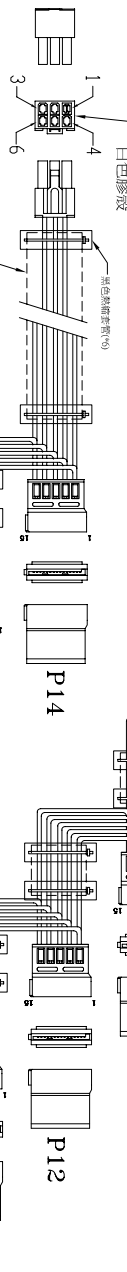
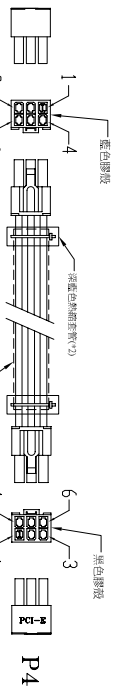
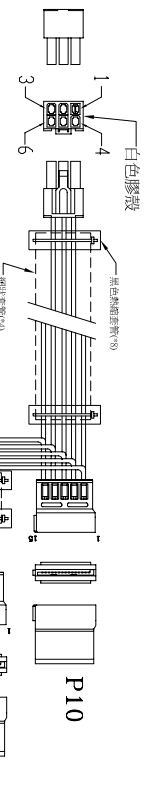
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UNIT:mm

P/N.:PPA12A0200

MODEL NO.:SPM1200AX18(S03001) TITLE: ASSY SHEET: 2 OF 2 REV:02

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