

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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



FSP300-60GLS

(RoHS Compliant)

300 Watts SFX12V Switching Power Supply

Features

- Complied with SFX12V 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 CUL/UL60950-1, CSA C22.2 NO. 60950-1, FIMKO EN60950-1, SEMKO EN60950-1, NEMKO EN60950-1 (CB Report) CE

Specification

- **Temperature Range:** Operating: 0°C ~ +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**: 70% minimum
- **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):** 100x125x63.5mm / 4x4.9x2.5inch

Input Characteristics

Input Range: 90 ~ 265Vac (RMS), Full Range Input
Frequency: 47 ~ 63Hz
Input Current: Max 4A (RMS) @ 115Vac,2A (RMS) @ 230Vac
Inrush Current: No damage

Output Characteristics

Output Voltage	Minimum Load	Normal Load	Maximum Load	Load Reg.	Ripple & Noise
+3.3V	0.5A	10A	20A	± 5%	50mV P-P
+5V	0.3A	9A	18A	± 5%	50mV P-P
+12V1	1.0A	4A	8A	± 5%	120mV P-P
+12V2	1.0A	8A	16A	± 5%	120mV P-P
-12V	0.0A	0.25A	0.5A	± 10%	120mV P-P
+5Vsb	0.0A	1.0A	2.0A	± 5%	50mV P-P

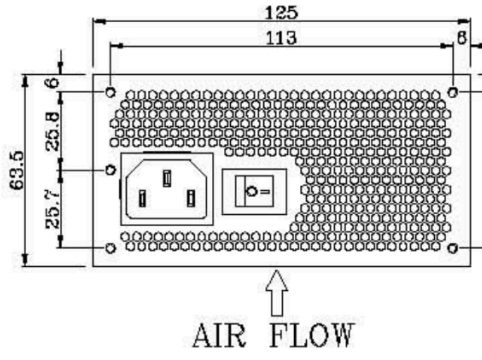
*+3.3V and +5V total output not exceed 125W
* Total output for this subject power supply is300W

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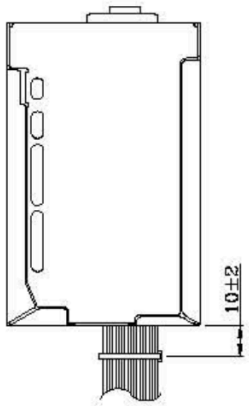
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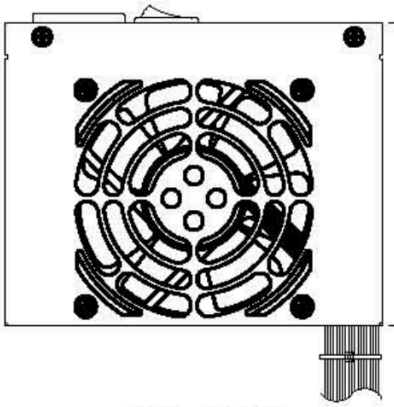
SPI Electronic Co., Ltd.

REF. ID.	PIN NO.	SIGNAL	WIRE COLOR	GAUGE	CONNECTOR TYPE	CABLE LENGTH
P1	1	+3.3VDC	ORANGE	18	C4202H02-A4P+, C4202H02-A20P+ or EQUIV.	300±15mm
	2	+3.3VDC	ORANGE	18		
	3	COM	BLACK	18		
	4	+5VDC	RED	18		
	5	COM	BLACK	18		
	6	+5VDC	RED	18		
	7	COM	BLACK	18		
	8	PW-OK	GRAY	24		
	9	+5Vsb	PURPLE	20		
	10	+12V1	YELLOW	18		
	11	+12V1	YELLOW	18		
	12	+3.3VDC	ORANGE	18		
	13	+3.3VDC	ORANGE	18		
		+3.3VSense	BROWN	24		
	14	-12VDC	BLUE	24		
	15	COM	BLACK	18		
	16	PS-ON	GREEN	24		
	17	COM	BLACK	18		
	18	COM	BLACK	18		
	19	COM	BLACK	18		
	20					
	21	+5VDC	RED	18		
	22	+5VDC	RED	18		
	23	+5VDC	RED	18		
	24	COM	BLACK	18		
PA	1	+3.3V	ORANGE	18	MOLEX CL1271HS0 15P or EQUIV.	300±15mm
	2	COM	BLACK	18		
	3	+5V	RED	18		
	4	COM	BLACK	18		
	5	+12V1	YELLOW	18		
PB	1	+3.3V	ORANGE	18	MOLEX CL1270H00 15P or EQUIV.	170±10mm
	2	COM	BLACK	18		
	3	+5V	RED	18		
	4	COM	BLACK	18		
	5	+12V1	YELLOW	18		
P2	1	COM	BLACK	18	MOLEX 39-01-2040 or EQUIV.	300±15mm
	2	COM	BLACK	18		
	3	+12V2	YEL/BLK	18		
	4	+12V2	YEL/BLK	18		
P3 P5	1	+12V1	YELLOW	18	MOLEX 1-480424-0 or EQUIV.	300±15mm
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5V	RED	18		
P4	1	+12V1	YELLOW	18	MOLEX 1-480424-0 or EQUIV.	170±10mm
	2	COM	BLACK	18		
	3	COM	BLACK	18		
	4	+5V	RED	18		
P6	1	+5V	RED	20	MOLEX 171822-4 or EQUIV.	170±10mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+12V1	YELLOW	20		

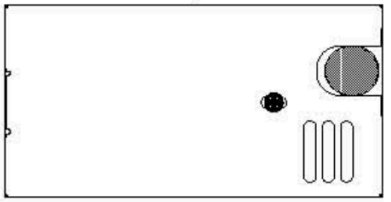


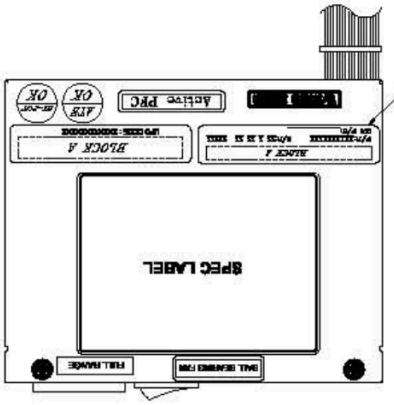
AIR FLOW





AIR FLOW





NOTE:

1. ALL THE LENGTH OF OUTPUT WIRES EXCLUDE HOUSING.
2. *產地標籤依業務指示加貼.*

UNIT:mm

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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