

Auto-Silent Power

Worldwide Patents

PSIV-400-3

Output 300W

Input AC115V/230V

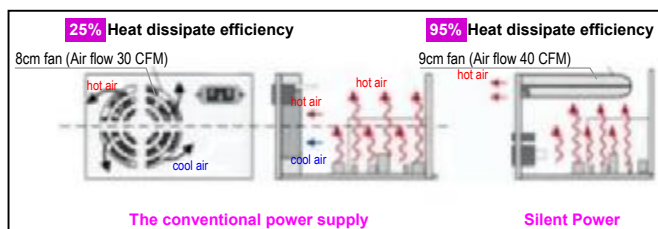


- ➔ Worldwide Patents (US, China, Japan, Taiwan, German)
- Extra Silent: under 25dB @ 1 meter compared to 40dB
- Surge Suppressor with 4 outlets: Smart Turn On /off for all peripheral equipments
- High Cooling Efficiency: 50% more efficient in ventilating hot air than others
- Fan's life is prolonged
- Active Power Factor Correction (Option)
- Meet P4 Full Requirements
- Anti-Dust Design to keep dust out

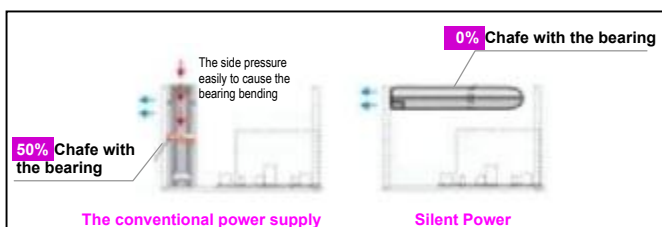
The noise is greatly reduced.



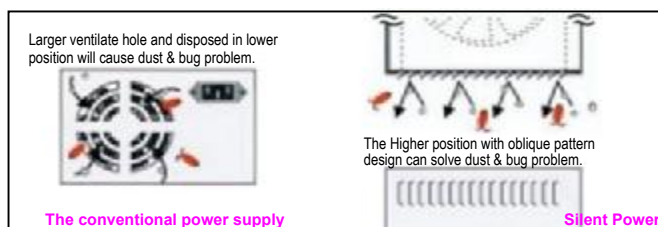
Cooling down the temperature 8~16°C.



The Fan's lifespan is prolonged.



Anti-dust & bug design.



AC Input

Input Voltage	103 to 132 VAC or 206 to 264 VAC use selectable
Input Voltage of Normal Operation	115 VAC or 230VAC
Input Frequency	47 to 63 Hz
Input Current	14.0A RMS Max. for 115 VAC 7.0A RMS Max. for 230 VAC
Max. Inrush Current	40A for 115 VAC cold start 80A for 230 VAC cold start

DC Output

Central Voltage	+3.3VDC	+5VDC	+12VDC	-5VDC	-12VDC	+5V SB
Voltage Regulation	± 4%	+5% / -1%	± 10%	± 10%	± 10%	+4% / -2%
Max. Current	28A	30A	15A	0.3A	0.8A	2.0A
Min. Current	1.0A	1.0A	1.0A	0.1A	0.1A	0A
Ripple & Noise	60mV	80mV	120mV	150mV	150mV	100mV
Line Regulation	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%
Load Regulation	± 5%	± 5%	± 10%	± 10%	± 10%	± 5%

- +3.3V & +5V combines load: 180W
- +3.3V & +5V & 12V combines load: 280W

Overall performance

Total Output Power	300W continuous maximum
Efficiency	70% at full load and nominal input voltage
Hold Up Time	Min. 10 ms at full load and nominal input voltage
Stability	±0.5% after 24 hours warm up
Power Good Signal	TTL compatible signal out with 100ms to 500ms delay after power set up
Power Fail Signal	The TTL compatible signal will go down at least 1ms before +5V below 4.75V

Environmental

Operating Temperature	0 to +40°C
Storage Temperature	-20 to +85°C
Storage Humidity	10% to 90% RH
Cooling	Forced air ventilation by 12cm DC fan

Patents

USA	No.6122168
Japan	No.3064751
Taiwan	No.175916
China	No.ZL 002340631
Others	Germany, Korea, etc.

Dielectric Withstand (Hi-POT) Test

Input to Output	1500V-1 Sec. (10 mA CUT-OFF)
Input to Ground	1500V-1 Sec. (10 mA CUT-OFF)

Insulation Resistance

Input to Output	50 mΩ
Input to Ground	50 mΩ

Safety/ EMI

Safety	UL1950, cUL, TUV, VDE, DEMKO, NEMKO, SEMKO, FIMKO, SABS
EMI	EN55022 Class B, FCC part15, EN55024



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