CHANNEL WELL TECHNOLOGY

PSG300P-89

Features

- 300W 6 Outputs, AC Active PFC Input design
- Meet Intel ATX 2.01/ATX 2.03/ATX 12V/ EPS
- Operating temperature range from 0°C to 50°C
- Build in DC remote ON/OFF, PG/PF TTL signal
- Build in long life ball bearing fan
- Build in thermal fan speed for noisy reduction
- Complies with FCC Class B, CISPR Pub. 22, EN55022 Class B, and CE requirements
- UL/cUL, CCC, TUV and CB EN 60950 certified
- MTBF 100KHRs @ 25 °C per MIL-HDBK-217F

+5V

35.0A

35.0A

0-1.0A

±5%

50mV

The combined power of +5V and +3.3V is 200W max

The combined current of -5V and -12V is 1A max

The peak load on +12V lasting 15 seconds max

The outputs marked with "* " can be optional

PG delay: 100-500 msec; PF delay: > 1 msec

Remote ON/OFF: TTL High/PS OFF, TTL Low/PS ON

The –12V is 3A when –5V is not present

The continuous total output power is 300W max

3 years manufacturer warranty

Electrical Specifications

AC Input

- Input Voltage 90 - 264 VAC
- Input Current 6.3A max.
- Input Frequency 47 – 63 Hz

DC Output - 300W Max

Voltage

Max load - Rev A

Max load – Rev B

Min load

Peak load

Regulation

Ripple & Noise

50mV	100mV	120mV
	 	 /

- Hold-Up time: 16 msec (minimum) @ full load
- Transient Overshoot: 10% max w/ 20% load change
- Rise Time: 20 msec (maximum) @ full load
- Power Up Time: 800 msec (maximum) @ full load
- Over Power protection: 150% max of rated output
- Over Voltage protection on +5V, +12V, and +3.3V
- Short Circuit protection on all outputs

Mechanical Dimension

W x L x H = 150 x 140 x 86 mm / 5.90 x 5.51 x 3.39 inch

28.0A 0.5A 1.0A 28.0A ---3.0A

0.0A

±5%

-5V*

- >68% @ full load, nominal line

+5VSB*

2.0A

2.0A

0.0A

±5%

50mV

Inrush Current 80A max @ cold start

-12V*

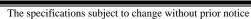
0.0A

±5%

 Leakage Current 0.75mA max. @ 264Vac input



AC PS2-ATX/P series



+3.3V*

0-0.3A

±5%

- - Efficiency

+12V

18.0A

18.0A

0-0.5A

22.0A

±5%

120mV