

PSG180F-89

AC 1U Slim/F series

Features

- 180W 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
- 3 years manufacturer warranty



Electrical Specifications

AC Input

- Input Voltage 90 – 264 VAC
- Input Current 4A max.
- Input Frequency 47 – 63 Hz

- Efficiency >68% @ full load, nominal line
- Inrush Current 80A max @ cold start
- Leakage Current 0.75mA max. @ 264Vac input

DC Output - 180W Max

Voltage	+5V	+12V	+3.3V*	-5V*	-12V*	+5VSB*
Max load – Rev A	25.0A	11.0A	22.0A	0.5A	1.0A	2.0A
Max load – Rev B	25.0A	11.0A	22.0A	---	3.0A	2.0A
Min load	0-0.5A	0-0.5A	0-0.3A	0.0A	0.0A	0.0A
Peak load	---	14.0A	---	---	---	---
Regulation	±5%	±5%	±5%	±5%	±5%	±5%
Ripple & Noise	50mV	120mV	50mV	100mV	120mV	50mV

- The continuous total output power is 180W max
- The combined power of +5V and +3.3V is 150W max
- The combined current of -5V and -12V is 1A max
- The -12V is 3A when -5V is not present
- The peak load on +12V lasting 15 seconds max
- The outputs marked with " * " can be optional
- Remote ON/OFF: TTL High/PS OFF, TTL Low/PS ON
- PG delay: 100-500 msec; PF delay: > 1 msec
- 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 = 80 x 190 x 40 mm / 3.15 x 7.48 x 1.58 inch