

THE SIGNATURE



The Ultimate High
End Power Supply

The Signature

The Signature Series is Antec's premium line of high-end performance power supplies. Combining cutting-edge technology, rigid testing, and impeccable style, the Signature Series is the ultimate choice in power supplies.

Features

Voltage Regulator Modules:

The Signature Series utilizes Voltage Regulator Modules instead of magnetic amplifiers for the 3.3V and 5V outputs. This leads to very short transient response times within the power supply, which in turn leads to greater system stability. In fact, with the Signature Series, transient response times can be as low as 10 microseconds compared to the typical power supply transient response times of 1 millisecond.

Pulse Width Modulation (PWM) fan:

Pulse Width Modulation technology allows the Signature Series to finely control the speed of the power supply's fan. By using this method instead of the traditional voltage controlled fans, Signature Series power supply fans can run up to 50% quieter. How does a PWM fan do this? A PWM fan can run as slow as 10-15% of the fan's rated top speed, whereas a voltage regulated fan can only go as low as 40%. Using PWM also allows the use of higher speed fans with a minimal increase in generated noise.

Japanese made components:

The Signature Series is made with a Japanese fan and Japanese capacitors. The use of these components helps ensure that Signature Series power supplies have a long and reliable life.

Dual double layer PCB layout:

Designed with two double layer PCBs, the Signature Series utilizes a low density component layout to provide better airflow throughout the case. In addition, dual PCBs allow for heavier components, create less electrical noise and ensure greater reliability.

80 PLUS®

The Signature Series passes 80 PLUS®, the highest independently certified standard in energy efficiency. This enables it to lower operating costs and protect the environment.



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Hybrid Advanced Cable Management:

The Hybrid Advanced Cable Management System provides the optimal solution to the problem of power distribution and airflow. The mandatory cables are hardwired to reduce resistance, while the peripheral cables can be installed as needed, enabling you to minimize the amount of cables used. Without the clutter of extra cables, air flows more efficiently and your components stay cooler.

Universal Input and Active PFC:

These features enable Signature Series power supplies to be used anywhere in the world and reduce their impact on whatever power grid they're attached to.

AQ5:

Antec's Quality 5 year warranty.

Output

Voltage	+3.3V	+5V	+12V ₁	+12V ₂	+2V ₃	+2V ₄	-12V	+5VSB
Maximum Load	25A	25A	22A	22A	25A	25A	0.5A	3A
Minimum Load	0.1A	0.2A	0.1A	0.6A	0A	0A	0A	0A
Regulation	±5%	±5%	±5%	±5%	±5%	±5%	±5%	±5%
Ripple & Noise (mV)								
Total Power	850W continuous output @ 40°C							
	+5V and +3.3V combined max. output: 160W							
	+12V outputs combined max. output : 780W(65A)							

Safety: UL/CUL, TUV, CE, CB, CCC, FCC Class B, C-Tick

Protections: Over Voltage Protection, Short Circuit Protection, Over Current Protection

MTBF: 100K Hours Min At Max. Load 230Vac And 25° Ambient Conditions.

Antec
Believe it.