

# PHANTOM500



## POWER SUPPLIES

## New and More Powerful Phantom

Building upon the technology that made our revolutionary Phantom 350 power supply totally silent, the Phantom 500 with Antec's new Hybrid Fan technology, provides awesome power while continuing to offer the user an extremely quiet computing environment. Phantom 500 operates completely silently until its internal temperature reaches a user selected temperature, whereupon the fan turns on to balance high power performance with quiet computing.



### Major New Features include:

- **ATX12V version 2.01 compliant** with 24-and-20-pin adapter connector with detachable 4pin section for 20 pin for backward compatibility with older motherboards
- **Dual + 12V outputs**, with dedicated circuits to isolate the CPU power line from peripherals.
- **Hybrid fan design**
- **Exceptional power efficiency up to 86% (US version) at full load**
- **4 Serial ATA power connectors**
- **PCI-E graphic card power connector**

### SPECIFICATION:

- ATX12V version 2.0 compliant
- Fanless operation for absolutely silent computing. Three user selectable fan kick-in points for quiet computing under higher loads
- Specially designed internal heatsinks and chassis heatsink for maximum heat dissipation
- ATX12V v2.0 compliance and ultra-high-efficiency design (up to 85%) allows Phantom to generate up to 70% less heat and consume 25% less power than standard PSU's — saving you money on your electric bill
- 24-pin main connector supports PCI Express motherboards. 24-pin power connector with detachable 4-pin section for universal motherboard compatibility
- Dual 12V output circuitry provides added system stability and meets 240VA UL requirements and safety purpose: 12V<sub>1</sub> for Motherboard and peripherals; 12V<sub>2</sub> for processor
- Power efficiency up to 85% (US version), at full load
- PCI Express graphic card power connector
- Power Factor value greater than 90% (EU only)
- Gold plated connector for superior conductivity

<b>Safety Protection</b>	Over current protection (OCP), Over Voltage Protection (OVP), Short Circuit Protection (SCP), Under Voltage Protection (UVP), Over Temperature Protection (OTP), Over Power Protection (OPP)
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### Input:

Input Voltage	115VAC/230VAC
Input frequency Range	47Hz ~ 63Hz
Inrush Current	60A @ 115V , 80A @ 230V
Input Current	9A @ 115V, 5A @ 230V
EMI/RFI	FCC Class B

### Environmental:

Operating Temperature	0°C to 50°C
Operating Altitude	Sea level 10,000ft
MTBF	80,000 hours at 25°C
Net Weight	6.1lbs / 2.7kg
Safety Approvals	UL, CUL, CE, CB, FCC Class B, TÜV
Size	3.4" (H) x 5.9" (L) x 7.2" (W) / 8,6cm (H) x 15cm (L) x 14cm (W)



Antec – the leader in power supply technology since 1986.

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The Power of You