



# HIGH CURRENT GAMER



FULLY MODULAR POWER SUPPLY **650W**



The latest generation of High Current Gamer Gold power supplies offer unparalleled stability and 80 PLUS® Gold-certified efficiency, thanks to the top-grade Japanese capacitors and Active PFC.



80 PLUS®  
Gold Certified



100% Japanese  
Heavy-Duty Caps



Energy Efficiency



Fully Modular



Stable output



Compact Size



DC to DC  
Converter Design

Advanced thermal control with the Zero RPM mode enables optimal balance between silence and cooling, and a quiet 120 mm fluid dynamic bearing fan completes the package.

The CircuitShield™ suite of industrial-grade protections ensures that the power delivered to your system is safe and reliable in any environment. If loads of power, high-level engineering and extreme efficiency are what you're after, the High Current Gamer Gold series is the winner.



# 80 PLUS GOLD CERTIFIED

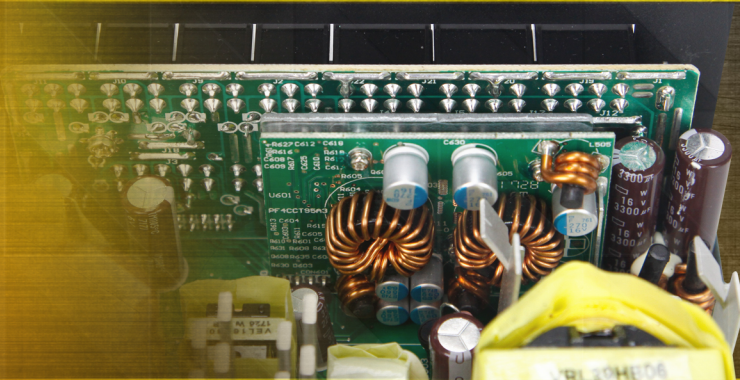
Delivering up to 92% efficiency, the High Current Gamer Gold series utilizes active PFC, 100% Japanese capacitors, and provides efficiency during max and low loads—living up to the performance standards that we are known for.



High-performance Japanese capacitors ensure the tightest DC stability and regulation, for reliability that you and your system can count on.



PhaseWave™ Design - synchronous rectification based on a DC-DC topology.



A server-class full-bridge LLC design.





# 120mm FDB FAN

The whisper-quiet, fluid-dynamic bearing fan provides high airflow with the durability and longevity that is a signature of Antec quality.



## Zero RPM Mode

The HCG Gold series is equipped with the Zero RPM fan mode, which uses thermal sensors to activate the fan only when you need it. With Zero RPM mode, the HCG Gold series works hard - and smart.



## 99% + 12V Output

The High Current Gamer Gold series provides clean, stable power with maximum CPU and GPU compatibility.



# 10-Year

Antec Quality Warranty



## FULLY MODULAR CABLE MANAGEMENT SYSTEM

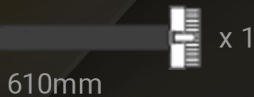
Allows you to use only the cables you need, which greatly simplifies installation and helps clear out space.



# CONNECTORS



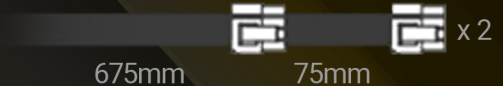
1x 24pin



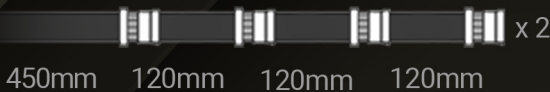
1 X 8(4+4)-pin  
ATX12V / EPS12V



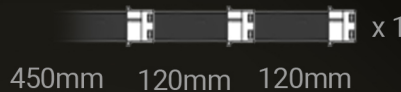
4 X 8(6+2)-pin  
PCI-E



8 x SATA



3 x Molex



1 x FDD



## PowerCache™

An extra capacitor located at the ends of 12V cables store power, preventing brownouts from sudden demand spikes - providing an extra power reserve where you need it, when you need it most.



## COMPACT FORM FULL-SIZE PERFORMANCE

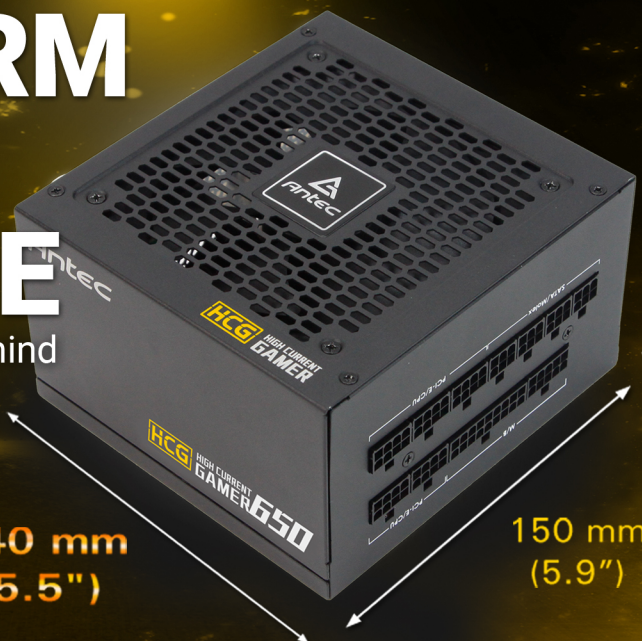
Push your system to the limit with peace of mind

Net Weight: 2.04kgs  
Gross Weight: 3.36kgs

140 mm  
(5.5")

150 mm  
(5.9")

86 mm  
(3.4")





# HIGH CURRENT GAMER

**HCG**

**650W**



## AC Input

100-240VAC, 50Hz-60Hz, 9A-4.5A

## DC Output

+3.3V

+5V

+12V

-12V

+5VSB

## Maximum

20A

20A

54A

0.3A

3.0A

## Combined

100W

648W

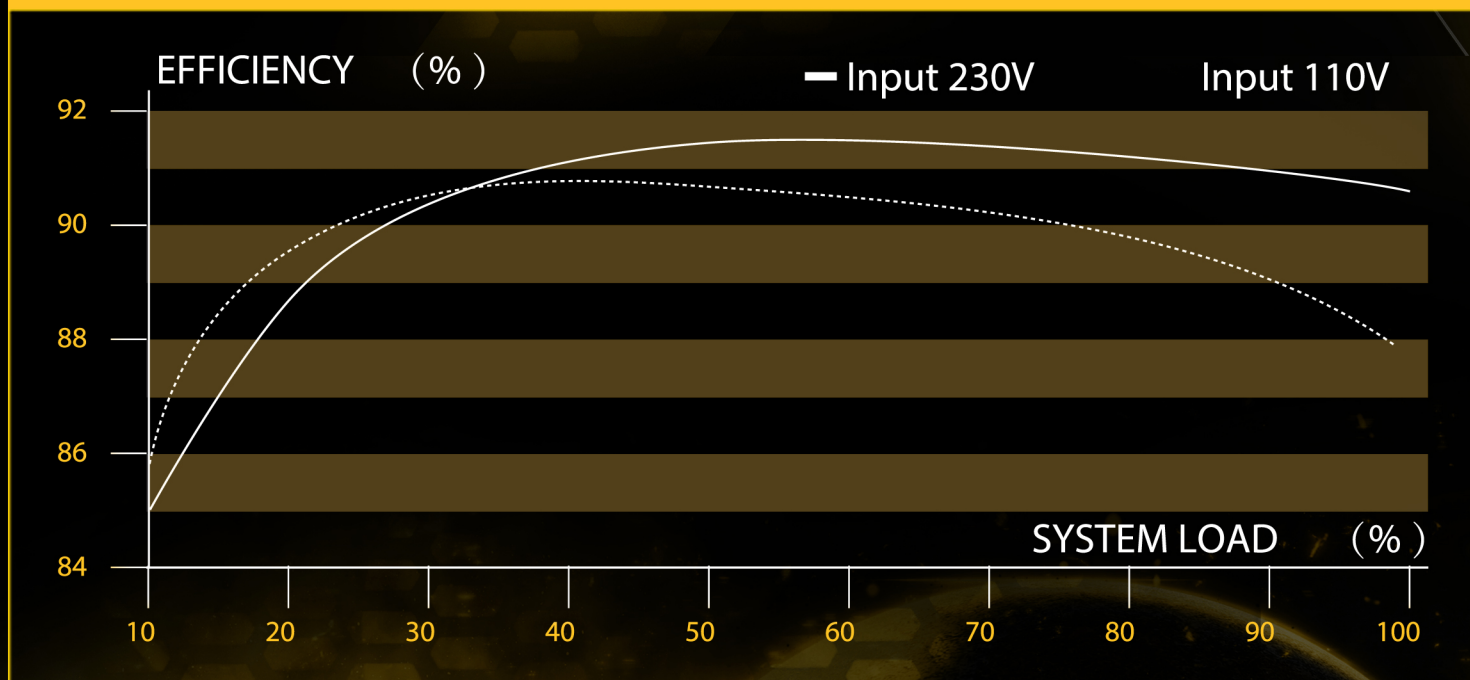
3.6W

15W

## Total Output

650W

80 PLUS® GOLD CERTIFIED - Up to 92% efficient





# SPECIFICATIONS

# HIGH CURRENT GAMER

HCG

- 650W Continuous Power - Guaranteed 650W of Continuous Power
- Fully modular cable management - Use only the cables you need
- 80 PLUS® GOLD certified - Up to 92% efficient, to reduce your electricity bill
- PhaseWave™ Design - A server-class full-bridge LLC design with a synchronous rectification based on a DC-DC topology
- AQ10 - Antec Quality 10-year warranty
- 120 mm FDB Fan - Whisper-quiet high-quality fan with long lifetime
- Zero RPM fan mode, which uses thermal sensors to activate the fan only when you need it.
- 4x PCI-E connectors for multiple GPU support
- 100% Japanese Capacitors - High-performance capacitors ensure tightest DC stability and regulation
- 99% +12V - Output for maximum CPU & GPU support
- CircuitShield™ - Full suite of industrial grade protections:  
Over Current Protection (OCP), Over Voltage Protection (OVP),  
Short Circuit Protection (SCP), Over Power Protection (OPP),  
No Load Operation (NLO), Over Temperature Protection (OTP),  
Surge & Inrush Protection (SIP)
- 28(18+10) pin motherboard socket ensure compatibility with the latest motherboards
- ATX12V 2.4 - Designed to the latest power supply standards and compatible with the latest generation of CPUs

