

# Signature 650



POWER SUPPLY

## The Pinnacle of Power

Designed to appeal to system builders looking for a truly premium power supply, the Signature 650 boasts many cutting-edge features, several of which have never before been offered in a consumer power supply. The Signature 650 features DC to DC voltage regulator modules which ensure greater system stability, and an 80mm Pulse Width Modulation (PWM) fan which can run up to 50% quieter than standard fans. Not only does the Signature 650 deliver the latest in stability, reliability, and quiet cooling, it also passes 80 PLUS® Bronze certification, a rare distinction in energy efficiency attained by very few other power supplies.



UCC13# 0761345-22650-9 US  
UCC13# 0761345-06650-1 EC  
UCC13# 0761345-06651-8 GB

Input							
Input Voltage	100 ~ 240VAC $\pm$ 10%						
Input frequency Range	47Hz ~ 63Hz						
Efficiency	Greater than 80%						
Output							
Voltage	+3.3V	+5V	+12V <sub>1</sub>	+12V <sub>2</sub>	+12V <sub>3</sub>	+5VSB	-12V
Maximum Load	24A	24A	22A	22A	25A	3.0A	0.5A
Minimum Load	0A	0A	0A	0A	0A	0A	0A
Load Reg	$\pm$ 3%	$\pm$ 3%	$\pm$ 3%	$\pm$ 3%	$\pm$ 3%	$\pm$ 3%	$\pm$ 7%
Ripple V(p-p)	50	50	120	120	120	50	120

\* +12V<sub>1</sub>, 12V<sub>2</sub>, 12V<sub>3</sub> maximum output 516 Watts max.

## Specifications

- NVIDIA™ SLI™-ready certified
- DC to DC Voltage Regulator Modules ensure supreme system stability
- 80 PLUS® Bronze Certified – 82% or more efficiency at 20%, 50%, and 100% load
- 80mm cooling fan uses Pulse Width Modulation (PWM) for whisper-quiet operation
- Advanced hybrid cable management improves airflow and reduces clutter
- Dual density PC board layout provides better airflow, reduces electrical noise, and allows heavier components
- Highest quality Japanese fan and capacitors ensure long-term reliability
- Industrial grade protection circuitry prevents damage resulting from short circuits (SCP), over voltages (OVP), and over current (OCP)
- Universal Input and Active PFC allow the Signature 650 to operate efficiently on any power grid in the world
- Safety approvals: UL, CUL, FCC, TÜV, CE, C-tick, CCC, CB
- Net Weight: 5.82 lbs
- Size: 3.4" (H) x 5.9" (W) x 7.1" (D)



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