



FUTURE-FORWARD PERFORMANCE!

The HPQxxxS-B Series power supply supports 450W–750W outputs, featuring ATX 3.1 and PCIe 5.0 compatibility, delivering reliable, efficient power for modern desktop systems.



650W Bronze Non-Modular ATX3.1

80 Plus Bronze Efficiency

Ensures high energy efficiency, reducing power waste and heat output.

Enhanced Cooling System:

The 120mm DC cooling fan ensures quiet and reliable heat dissipation over extended periods of operation.

Low-Load Efficiency:

Exceeds 60% efficiency at low loads, meeting stringent ErP energy-saving standards.

Alternative Sleep Mode (ASM):

Complies with ErP regulations, optimizing 5V standby efficiency for eco-friendly performance in sleep states.

ATX 3.1 & PCI-E 5.1

Complies with the latest standards for compatibility and performance.

Non-Modular design

Enhances cost efficiency, reliability, compactness, and simplifies installation, improved durability and convenience

PCI-E CEM5 Support:

Provides scalability for power excursions, catering to graphics-heavy gaming and workstation systems.

Compact Dimensions:

Measures 150mm x 140mm x 86mm, fitting seamlessly into most desktop system designs.

Key Advantages

Power Supply Key Advantages

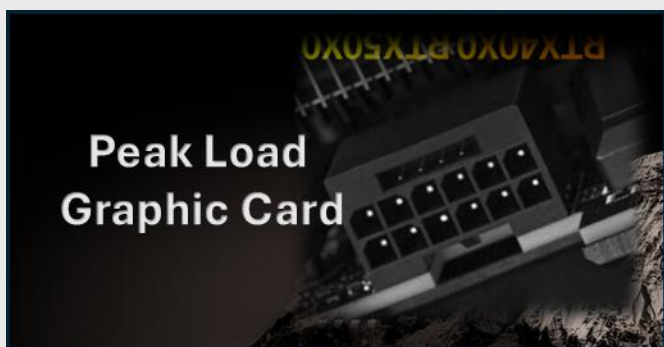


Durable 12V-2x6 Connectors:

Designed for high durability and long-term reliability & efficient Power transfer, Provides stable and consistent 12V power supply to connected components.

Wide Input Range:

Operates with a full-range input of 90-264Vrms, ensuring reliability in diverse power conditions.

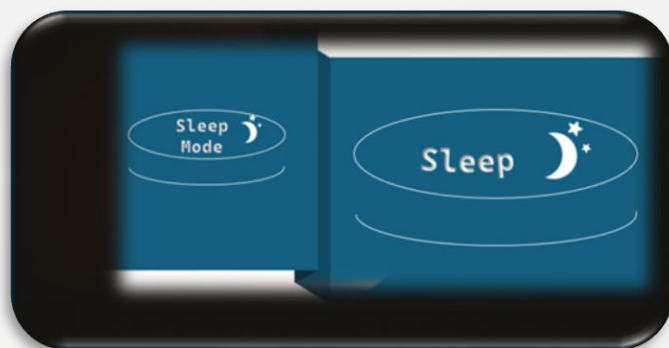


PCIe 5.x Compatibility:

Fully compatible with PCIe 5.0, supporting modern GPUs and high-performance components.

Alternative Sleep Mode (ASM):

Complies with ErP regulations, optimizing 5V standby efficiency for eco-friendly performance in sleep states.



Point	Details
Example Purposes	All images and descriptions are solely for illustrative purposes.
Subject to Change	Specifications, features, and prices can change without prior notice.
Regional Variation	Specifications, appearances, and features might differ by model and region. Refer to official pages for details.
Performance Claims	Unless explicitly stated, performance claims are theoretical; actual figures may vary.
Configuration Limitations	Non-original product configurations are not guaranteed for performance.

Specification

Full Name/Title	HPQ650S-B 650W Bronze ATX3.1	
Color	Black	
Item code	HPQ650S-B	
Wattage	650W	
Combined Power +5V&+3.3V	120W	
Input Voltage	100 - 240V	
Input Current	10A Max	
80 PLUS Label	Bronze	
Hold-up time	> 12ms	
MTBF		
Protection	OPP, OVP, OCP, SCP, OT	5Vsb SCP: Recovery
Operating Temperature	0 - 40 °C	
Rating label	+5V	20A
	+3.3V	20A
	+12V	54A
	-12V	0.3A
	+5Vsb	3.0A
ATX Version	ATX12V Ver. 3.1	
PFC	Active PFC	
Connectors	ATX 24 pin	=1=1x(650)
	EPS 4+4 pin	=2=1x(700+150)
	PCI-e 6+2 pin	=4=2x(700+150)
	ATX3.1 12V-2x6	-
	12V-26 to 2xPCI-e(6+2)	=1=1x(660)
	PATA (P+P+F)	=2+1=1x(600+150+150)
	SATA (S+S+S)	=6=2x(600+150+150)
	Cable Management	Non-Modular
Cooling	120mm?	
Dimensions (mm)	Length	140 mm
	Width	150 mm
	Height	86 mm