



P1-650B-BEFX

Designed for serious gamers and DIY professionals, the XFX XTR Series 650W Full Modular 80 Plus Gold power supply delivers the clean and stable power required for demanding gaming rigs and workstations. A single strong 12V rail flexibly routes the maximum available power to the parts, enabling you to maximize power usage and making setup easy.

KEY FEATURES

- 80Plus Gold Certified
- Crossfire and SLI Ready
- Haswell Ready
- EasyRail Plus Technology
- Hybrid Fan Control Modes

80 Plus **Gold** Certified

Efficient power use ensures you are getting the most out of your PSU.

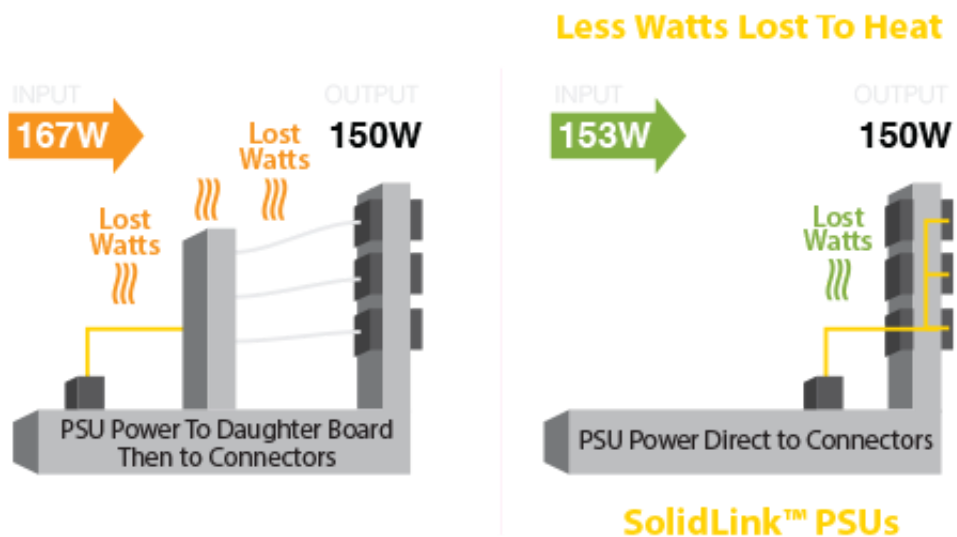
80 Plus Bronze certified means that this XFX PSU has up to 90% power efficiency at typical load. With XFX PSUs, you get nearly every watt you pay for. 80 Plus (trademarked 80 Plus) is voluntary certification program intended to promote efficient energy use in computer power supply units (PSUs).



XFEX Exclusive **SolidLink** Technology

Less Wires. Less Heat

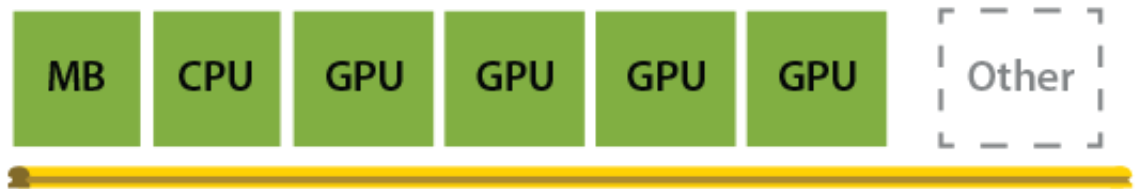
Our New Double Sided PCB and SolidLink design drastically reduce the wires inside the PSU which improves efficiency. Other PSUs have numerous wired internal components, which generate heat, wasting energy and decreasing efficiency.



XFEX Exclusive **EasyRail Plus** Technology

Smart power design ensures easy installation and maximum power.

Simplest and most powerful PSU design allowing you to handle your many devices without worry. No matter what combination of devices and components you have, our PSUs have plenty of power to handle all your needs. Whether we are using Single or Multi rail design, it will always function the same way, easy and simple.



No matter what combination, you've got plenty of power.

XFEX PSUs Are **Haswell** Ready

Compatible with Intel's 4th Generation Core Processors (code named Haswell).

Among other improvements of Intel's latest Core Processors, power consumption in idle mode has been greatly reduced from around 6W to less than 1W. This might cause some older power supplies to shut the system off when the CPU enters idle mode, or prevent the system from waking up out of sleep mode. XFEX Haswell Ready PSUs are designed to prevent this problem from occurring to ensure your system is always functioning properly.

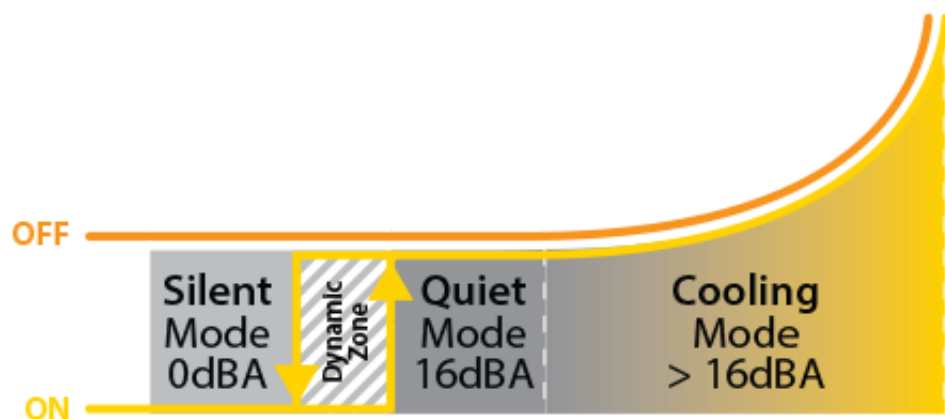
HASWELL

INTEL 4TH GEN CORE PROCESSOR

XFEX Exclusive **Total Thermal System** Design

Features Hybrid Fan Mode, Ultra Quiet Fluid Dynamic Bearing Fans, and Autosensing Dynamic Fan Control

TTS features our hybrid mode, which when activated, allows the PSU to operate silently until it reaches 25% load or 25°C. Our fluid Dynamic Bearing Fan lower noise consistently over long periods of operation and lastly our new digital IC extends fan life by adapting accurate detection and eliminating unnecessary fan rotations when turning on/off.



AMD **Crossfire** and NVIDIA **SLI** Ready

Designed to support multiple GPUs systems

XFX PSUs are designed and tested to be compatible and optimized for multi GPU builds. Whether it is an AMD Crossfire setup or an NVIDIA SLI setup, we have the power design to handle all your needs.

**RADEON
CROSSFIRE**



XFx Exclusive **5 Year Warranty**

XFx offers a top of it's class 5 Year Warranty on all PSUs.

Our back to back limited warranty covers your PSU purchase for up to 5 Years ensuring that you'll have the support and service you need if you should ever have problems with your PSU both mechanically and technically. It is one of the longest warranties in the industry and back by XFX's best in class service quality.



Designed for serious gamers and DIY professionals, the XFX XTR Series 650W Full Modular 80 Plus Gold power supply delivers the clean and stable power required for demanding gaming rigs and workstations. A single strong 12V rail flexibly routes the maximum available power to the parts, enabling you to maximize power usage and making setup easy. It's also been awarded the 80Plus Gold certification for its high power efficiency, and is also designed for NVIDIA SLI and AMD Crossfire multi-GPU systems, making it a perfect solution for hardcore gamers. Its modular design reduces cable clutter. And the large fan delivers silent cooling, so your computer and PSU can operate at peak performance.

- EasyRail Plus Technology allowing plenty of wattage headroom to handle your devices
- Hybrid Fan Control allowing the power supply to operate silently until it reaches 20% load or 25C
- Ultra Quiet Fan Design
- Ultra Voltage Regulation Design
- Haswell Ready
- AMD Radeon CrossFire Ready
- NVIDIA GeForce SLI Ready
- Multiple PCI-E 6-Pin and 6+2Pin connectors
- True Wattage guarantee
- 80 Plus Gold certifying 90% power efficiency
- Extreme heat tested capacitors

GENERAL

+12V Rail Outputs : Single

100% Tested and Verified : Y

Maximum Wattage (W) : 650

Modular Cables : Y

Performance Category : Enthusiast

UPC Number : 778656063068

TECHNOLOGIES

CrossFire Ready : Y

Haswell Ready : Y

SLI Ready : Y

RATINGS & EFFICIENCIES

AC Input Current (Arms) : 9.5 - 4.5A

AC Input Frequency (Hz) : 50/60 Hz

AC Input Voltage (Vac) : 100-240

Efficiency @ Typical Load : Up to 90%

Energy-Efficiency : 80 Plus Gold Certified

OTHER FEATURES

High Reliable 105°C Japanese Capacitors : Y

Solid State Capacitors : Y

Tight voltage regulation ($\pm 5\%$) : Y

LOAD RANGE

Max -12V Output Current (A) : 0.3

Max +12V Output Current (A) : 54

Max +3.3V Output Current (A) : 20

Max +5V Output Current (A) : 20

Max +5VSB Output Current (A) : 2.5

CABLE CONNECTORS

Modular ATX12V / EPS12V : One 4+4-pin, One EPS 12V 8-pin

Modular FDD : 1

Modular Motherboard Connector : 20+4-Pin

Modular Peripheral : Up to 6

Modular SATA : Up to 10

PCI-E 6+2-pin Power Cables : 4

SAFETY & PROTECTION

Active Power Factor Correction (PFC) : Y

Over Current Protection (OCP) : Y

Over Power Protection (OPP) : Y

Over Temperature Protection (OTP) : Y

Over Voltage Protection (OVP) : Y

Short Circuit Protection (SCP) : Y

Under Voltage Protection (UVP) : Y

PHYSICAL

Cooling Fan Size (mm) : 135mm Fluid dynamic Fan (Black)

Master Carton Dimensions (cm) : 43 cm W x29.5 cm H x 34 cm D

Master Carton Dimensions (inch) : 16.93" W x 11.6" H x13.39" D

Master Carton Weight (Kg) : 12.8 kg est.

Master Carton Weight (lb) : 29.2 lbs est.

Package Dimensions (cm) : 31.9 cm W x 21 cm H x 16.3 cm D

Package Dimensions (inch) : 12.55" W x 8.26" H x 6.42" D

Package Weight (Kg) : 3.2 kg est.

Package Weight (lb) : 7.05 lbs est.

Units per Carton : 4

INCLUDES

AC Power Cord : 1

Modular Cable Set : 1

User's Manual : 1



