



P1-850B-BEFX

Unique, continuous EasyRail technology enables you to maximize available power and make set-up easy. Stack numerous power-hungry components without fear of crashing. It's also a perfect solution for hardcore gamers.

#### KEY FEATURES

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

Unique, continuous EasyRail technology enables you to maximize available power and make set-up easy. Stack numerous power-hungry components without fear of crashing. It's also a perfect solution for hardcore gamers.

## The Wattage you see isn't always the wattage you get.

Some brands tweak tests to get great wattage ratings, but in reality, they deliver much lower max wattages. Don't be fooled by wattage tricks. Below are examples of how we guarantee our wattage.

### Continuous Power

Wattage and heat go hand-in-hand. Other PSUs claim a certain wattage by using unrealistic testing environments like 25°C, but in real settings, they might reach much lower wattages. XFX PSUs guarantee the advertised wattage, even at well above standard operating conditions at 50°C.

### Clean Power

Power drawn from your AC outlet is typically dirty with voltage spikes and fluctuations, which can harm vital PC components. XFX PSUs are designed to deliver tight DC voltage regulation with minimal AC ripple, giving you safer, cleaner power.

### Efficient Power Use

80 Plus Gold certified means that this XFX PSU has a power efficiency of up to 90%. Compare that to non-certified PSUs, which lose at least 20% of power drawn. With the XFX PSU, get every watt you pay for.

### Extreme Heat Tested Capacitors

Internal PC operating temperature is around 35°C but the internal PSU temperature can be much higher. XFX uses all high-quality Japanese brand capacitors rated to withstand up to 105°C. While some competitors claim to use Japanese capacitors, they may only be rated for 85°C, which can shorten the usable life of a PSU.

### Automatic Protection Sensors

All XFX PSUs come with automatic output protection systems to protect you and your computer. This includes Total Power Protection (OPP), Over Voltage Protection (OVP), Over Current Protection (OCP) and Short Circuit Protection (SCP)

- Compatible with Intel Core i3, i5, i7 and AMD Phenom, FX
- DC to DC Converter Design
- Conductive Polymer Aluminum Solid Electrolytic Capacitors

- Active Power Factor Correction [99% PF Typical]
- High +12V Output
- Ultra Ventilation [Grid Structure]
- Multi-GPU Technologies Supported
- All-in-One DC Cabling Design
- Universal AC Input [Full Range]

#### GENERAL

+12V Rail Outputs : Single  
ATX12V 2.2 & ESP12V 2.91 Compliant : Yes  
Maximum Wattage (W) : 850  
Performance Category : Enthusiast  
UPC Number : 778656058811

#### TECHNOLOGIES

CrossFire Ready : Yes  
SLI Ready : Yes

#### RATINGS & EFFICIENCIES

AC Input Current (Arms) : 11A - 5.5A  
AC Input Frequency (Hz) : 50/60 Hz  
AC Input Voltage (Vac) : 100 - 240  
Active Power Factor Correction (PFC) : >0.95 at full load  
DC Output Voltage Regulation :  $\pm 3\%$

#### OTHER FEATURES

DC to DC Converters (+3.3 & +5V) : Yes  
EZ Grip Connectors : Yes  
High Reliable 105°C Japanese Capacitors : Yes  
Solid State Capacitors : Yes

#### LOAD RANGE

+12V1 (mW) : TBA  
Max -12V Output Current (A) : 0.8  
Max -12V Power (W) : 6  
Max +12V1 Output Current (A) : 70  
Max +12V1 Power (W) : 840  
Max +3.3V & +5V Combined Power (W) : 125  
Max +3.3V Output Current (A) : 25  
Max +5V Output Current (A) : 25  
Max +5VSB Output Current (A) : 3  
Max +5VSB Power (W) : 15  
Max. +3.3V & +5V combined power (W) : 125  
Wattage(W) : 850W

#### CABLE CONNECTORS

Modular 6+2-pin PCI-E : 6  
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 5  
Modular SATA : Up to 10

#### SAFETY & PROTECTION

Over Current Protection (OCP) : Yes  
Over Power Protection (OPP) : Yes  
Over Temperature Protection : Yes  
Over Voltage Protection (OVP) : Yes  
Short Circuit Protection (SCP) : Yes  
Under Voltage Protection (UVP) : Yes

#### PHYSICAL

Cooling Fan Size (mm) : 120  
Intake Fan: Airflow (CFM/min) : 80.5

Intake Fan: Diameter (mm) : 120 x 120 x 25 mm  
Master Carton Dimensions (cm) : 43.0 x 29.5 x 34.0  
Master Carton Dimensions (inch) : 16.93 x 11.6 x 13.39  
Master Carton Weight (Kg) : 11.72 est.  
Master Carton Weight (lb) : 25.84 est.  
Package Dimensions (cm) : 31.9 x 21.0 x 16.3  
Package Dimensions (inch) : 12.55 x 8.26 x 6.42  
Package Weight (Kg) : 2.76 est.  
Package Weight (lb) : 6.08 est.  
PSU Dimension (cm) : 8.6 x 14.0 x 16.0  
PSU Dimension (inch) : 3.4 x 5.5 x 6.3  
Units per Carton : 4

CERTIFICATIONS & STANDARDS

C-tick : Yes  
CB : Yes  
TUV : Yes

