



80 PLUS® BENEFITS

www.80PLUS.org

info@80PLUS.org

1.877.4.80PLUS

What is 80 PLUS™?

80 PLUS is an innovative, electric utility-funded incentive program to integrate more energy-efficient power supplies into desktop computers and servers.

The 80 PLUS performance specification requires power supplies in computers and servers to be 80% or greater energy-efficient. This makes an 80 PLUS certified power supply more than 33% more efficient than current power supplies.

What are Power Supplies?

Power supplies are the devices that power computers and servers. They convert AC power from utilities into DC power used in most electronics.



Visit www.80PLUS.org for more information.

Efficient Power Supplies Have Many Energy, as well as Non-Energy, Benefits

80 PLUS® certified power supplies are bringing utilities, the PC industry and consumers together in an exciting new energy efficiency endeavor

Energy Benefits

- **Energy Savings (kWh)**
 - Efficient power supplies directly **save 85 kWh** per desktop PC per year, and **300 kWh** per server per year.
 - Upgrading to computers with 80 PLUS power supplies will **reduce building cooling loads**.
- **Peak Reduction (kW)** – 80 PLUS qualified power supplies **save 16 watts** on desktop PCs and **34 watts** on servers during peak demand periods.
- **Improved Power Quality** – higher power factor reduces current draw by roughly 50%, which means that up to twice as many computers can be placed on the same branch circuit.

Non-Energy Value Added Benefits

- **Increased System Reliability** – reduced heat output increases computer system reliability by up to 40%.
- **Decreased System Maintenance Costs** – Increased reliability reduces costly repairs, IT support and lost worker productivity.
- **Lower TCO for PC Networks** – Increased reliability of PCs, decreased maintenance and lengthened equipment life combine with energy savings to significantly reduce the total cost of ownership (TCO) of PC networks.
- **Increased Comfort** – Reduced heat output minimizes the need for noisy PC fans, making for a quieter and more productive office environment.