



Protecting the Environment

With the recent withdrawal of the external power supplies category by Energy Star, we are no longer permitted to use the Energy Star logo. We have accelerated the rate of 'green' product introductions in the last two years and have created our own logo to highlight these particular products to our customers. This logo will be used for the appropriate products on datasheets and other marketing material.

This page highlights what we mean by 'green' power. The definition includes the no load power limits and average efficiency limits of our 'green' products for both our external power supply range and component power supplies.

More and more customers are asking us about efficiency and energy consumption. In summary we are focused on developing products that are smaller, produce less waste, consume less physical material and avoid hazardous substances.

Our goal is to become the leader in our industry on environmental issues.

- Board level Environmental Committee focused on minimizing our environmental impact
- Environmental concerns and legislation drive demand for energy efficient products
- Member of the Electronic Industry Citizenship Coalition (EICC)
- ISO14001 certified environmental management system
- Member of the FTSE4Good Index

Green Products: A definition

External power supplies meet Energy Efficiency Level V requirements as defined below:

No load power limits	
Rated power	No load consumption
0 W to < 250 W	0.5 W
> 250 W	No Limit

Active mode power limits, O/P < 6 V	
Rated power	*Average efficiency
0 W to 1 W	$\geq 0.497 \times \text{Rated power} + 0.067$
> 1 W to ≤ 49 W (≤ 51 W)	$\geq [0.0750 \times \text{Ln}(\text{Rated power})] + 0.561$
> 49 W (> 51 W)	≥ 0.86

Active mode power limits, O/P ≥ 6 V	
Rated power	*Average efficiency
0 W to 1 W	$\geq 0.5 \times \text{Rated power}$
> 1 W to ≤ 49 W (≤ 51 W)	$\geq [0.0626 \times \text{Ln}(\text{Rated power})] + 0.622$
> 49 W (> 51 W)	≥ 0.87

Figures in () are ErP limits

In addition, power supplies with an input power of 100 W and above must have minimum power factor of 0.9 at 115 VAC 60 Hz.

Component power supplies meet the following criteria:

No load power limits	
Rated power	No load consumption
0 W to < 250 W	0.5 W
> 250 W	No Limit

Active mode power limits	
Rated power	*Average efficiency
0 W to 1 W (< 1 W)	$0.5 \times \text{Rated power}$
> 1 W to 49 W (≤ 51 W)	$\geq [0.09 \times \text{Ln}(\text{Rated power})] + 0.5$
> 49 W (> 51 W)	≥ 0.85

*Average efficiency is measured at 25, 50, 75 & 100% load.