

## WD Caviar® GP

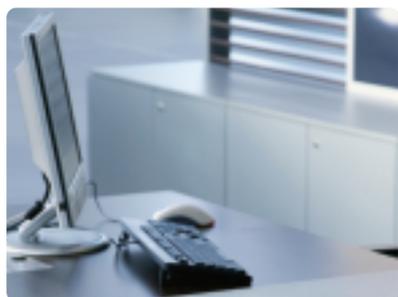
### Power Saving Hard Drives

Reduced Power Consumption  
 Environmentally Responsible  
 Lower Cost of Ownership



## Eco-friendly Storage for Power Saving PCs

- **IntelliPower™** – A fine-tuned balance of spin speed, transfer rate and cache size designed to deliver both significant power savings and solid performance. For each GreenPower drive model, WD uses a different, invariable RPM.
- **IntelliSeek™** – Calculates optimum seek speeds to lower power consumption, noise, and vibration.
- **IntelliPark™** – Delivers lower power consumption by automatically unloading the heads during idle to reduce aerodynamic drag.



Based on WD's exclusive GreenPower™ platform these are the first 3.5-inch hard drives designed to deliver power savings as the primary attribute. As hard drive capacities increase, the power required to run those drives increases as well. 1 TB hard drives currently available have a typical power consumption rating greater than 13.5 watts. WD Caviar GP drives yield average drive power savings of 4-5 watts over competitors' drives making it possible for our energy-conscious customers to build systems with higher capacities and the right balance of system performance, ensured reliability, and energy conservation.

In desktop computers this power savings equates to reducing CO<sub>2</sub> emission by up to 13.8 kilograms per drive per year — the equivalent of taking a car off the road for 3 days each year\*. External hard drives with low-cost power supplies will benefit from an even larger reduction in carbon footprint. By using environmentally-conscious PCs and external hard drives with our WD Caviar GP drive on board, large organizations with many desktop computers can minimize their carbon footprint and save real money on electricity costs.

\*Assumes that a car produces 1.60 CO<sub>2</sub> pounds per kWatt/hours/year. Calculation of automobile emissions depends on the car's g/km emission levels and km/year of driving.



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## Power Saving Hard Drives

### The GreenPower Hard Drive Family

Environmental sustainability is important to us at Western Digital. One of the best ways we can make a positive impact on the environment is to help our customers – PC and external drive manufacturers – offer products that consume less electricity. To that end, WD has designed an eco-friendly GreenPower (GP) hard drive family for WD desktop, enterprise, CE and external hard drive products.

Based on extensive customer input toward supporting ENERGY STAR 4.0 compliance and incorporating the latest in engineering technology, we developed this platform to bring more energy efficient hard drive options to our customers.

Consuming less power lowers the electricity bill. By how much? It depends on several factors: The system type (desktop computer, server, external hard drive, or DVR); how many hours per year the drives run; other factors such as air conditioning costs; and the cost of a kilowatt hour.

Here's a chart that takes into account these factors and estimates the savings that can be achieved in each segment:

Segment	Hour/Year	Power Multiplier	\$/kWatt	TCO\$/year	Kg of CO <sub>2</sub>	Days of Driving <small>(Based on Avg. Daily CO<sub>2</sub> Emissions)</small>
Enterprise	8760	2.40 <sup>(1)</sup>	\$0.12 <sup>(4)</sup>	\$10.09	60.5 <sup>(5)</sup>	14 <sup>(6)</sup>
CE	8760	1.25 <sup>(2)</sup>	\$0.12 <sup>(4)</sup>	\$5.26	31.5 <sup>(5)</sup>	7 <sup>(6)</sup>
		1.54 <sup>(3)</sup>		\$6.48	38.9 <sup>(5)</sup>	9 <sup>(6)</sup>
Externals NAS	8760	1.25 <sup>(2)</sup>	\$0.12 <sup>(4)</sup>	\$5.26	31.5 <sup>(5)</sup>	7 <sup>(6)</sup>
		3.33 <sup>(X)</sup>		\$14.00	84.0 <sup>(5)</sup>	19 <sup>(6)</sup>
Desktop	3120	1.25 <sup>(2)</sup>	\$0.12 <sup>(4)</sup>	\$1.87	11.2 <sup>(5)</sup>	3 <sup>(6)</sup>
		1.54 <sup>(3)</sup>		\$2.31	13.8 <sup>(5)</sup>	3 <sup>(6)</sup>
Externals USB/1394	3120	1.25 <sup>(2)</sup>	\$0.12 <sup>(4)</sup>	\$1.87	11.2 <sup>(5)</sup>	3 <sup>(6)</sup>
		3.33 <sup>(7)</sup>		\$4.99	29.9 <sup>(5)</sup>	7 <sup>(6)</sup>

For source information please visit:  
[www.wdc.com/en/company/greenpower.asp](http://www.wdc.com/en/company/greenpower.asp)

### Key Specifications

Interface: SATA 3 Gb/s  
 Form Factor: 3.5-inch  
 Limited Warranty: 3-year

### Capacities

500 GB, 750 GB, 1 TB

### Models

WD5000AACS, WD7500AACS, WD10EACS



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One gigabyte (GB) = one billion bytes. One terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment.