



# EARTHWATTS

Model: EA-380, EA-430D, EA-500D

## User's Manual

Manuel de l'utilisateur

Anwenderhandbuch

Manuale per l'operatore

Manual del usuario

取扱説明書

中文使用手冊

# EarthWatts User's Manual

## ATX12V version 2.2 power supply

**Model: EA-380, EA-430D, EA-500D**

EarthWatts power supplies are built to be compatible with the ATX12V version 2.2 specification. EarthWatts' circuitry delivers safer and more reliable output to your system's components. Featuring higher energy efficiency which reduces power consumption by up to 25%, saving you money on your electricity bill. EarthWatts' power supplies have achieved 80 PLUS® Certification, the latest independent standard in power supply efficiency. In addition EarthWatts includes a variety of protective circuitry: OVP (over voltage protection), SCP (short circuit protection), OCP (over current protection, only for 430W & 500W) and OPP (over power protection, only for 380W).

EarthWatts also includes Universal Input with Active Power Factor Correction (PFC). Universal Input allows you to connect your Antec EarthWatts power supply to any AC power outlet between 100 ~ 240V without having to worry about setting a voltage switch. Active PFC reduces electrical waste by improving the power factor value to the power supply, helping the power plant to provide power to users more efficiently.

**Power Switch:** This power supply comes with a main power switch. Make sure you turn the switch to the ON (I) position before you boot up your computer for the first time. In normal operation there is no need to turn the switch to the OFF (O) position since the power supply is equipped with a soft on/off feature, which turns your computer on and off through the soft switch on your computer case. You may need to turn the switch to the OFF position occasionally should your computer crash and you cannot shut it down through use of the soft switch.

### Installation:

1. Turn off the hard power switch, if any, on your old power supply.
2. Open your computer case according to the directions provided in your case manual.
3. Disconnect all power connectors from the motherboard and from the peripherals devices such as case fans, hard drives, optical drives, floppy drives, etc.
4. Disconnect the power cord from your old power supply.
5. Remove the existing power supply from your computer case and replace it with your new Antec EarthWatts power supply.
6. Connect the AC power cord to the power supply.
7. Connect the 24-pin Main Power Connector and the 4-pin +12V connector to your motherboard as needed. If your motherboard uses a 20-pin connector, detach the 4-pin attachment on the 24-pin power connector (see pictures 1 and 2).
8. Connect the peripheral power connectors to devices such as hard drives, optical drives, etc.
9. Connect the Serial ATA connectors if you are using a Serial ATA hard drive.
10. Connect the PCI Express power connector to your PCI Express graphic card as needed.

Picture 1



Picture 2



11. Turn the hard switch on the Antec power supply to the ON position.
12. Close your computer case.

## **Run Cool, Run Reliably, Run with 80 PLUS®**

### **About 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 specifications require power supplies in computers and servers to be 80% or greater energy efficient. This makes an 80 PLUS certified power supply at least 33% more efficient than current power supplies.

### **80 PLUS certified power supplies:**

- Achieve energy savings, up to \$70 (55 Euro) over the life of a desktop computer
- Reduce a room's cooling load, increasing comfort and saving up to 30%
- Increase computer system reliability and save on maintenance costs by as much as 40%
- Minimize the need for noisy fans, creating a quieter environment
- Save on construction – saves hundreds of dollars in electrical system upgrades
- Allow more computers on the same branch circuit
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