



EARTHWATTS

Model: EA-650

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

At Antec, we continually refine and improve our products to ensure the highest quality. As such, your product may differ slightly from the description in this manual. This isn't a problem; it's simply an improvement. As of the date of publication, all features, descriptions, and illustrations in this manual are correct.

Disclaimer

This manual is intended only as a guide for your Antec Power Supply. For more comprehensive instructions on installing the motherboard and peripherals, please refer to the user's manuals that come with those components and drives.

EarthWatts User's Manual

ATX12V version 2.2 power supply Model EA-650

The EarthWatts EA-650 is an advanced power supply with three 12-volt rails for powering quad core processors and high-end video cards. The EA-650 power supply is built to be compatible with the ATX12V version 2.2 specification. EarthWatts' circuitry delivers safer and more reliable output to your system's components and its higher energy efficiency 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 feature a variety of circuitry protection: OCP (over current protection), OVP (over voltage protection), and SCP (short circuit protection).

EarthWatts also include Universal Input with Active Power Factor Correction (PFC). Universal Input allows you to connect your 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 more efficiently.

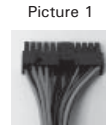
Power Switch

The PSU has a main power switch. Make sure you turn the switch to the ON (I) position before you boot up the computer for the first time. Normally, you won't need to switch to the OFF (O) position, since the PSU includes a soft on/off feature. This lets you turn the computer on and off by using the soft switch on the computer case. If the computer crashes and you can't shut it down using the soft switch, you can switch the main power to the OFF (O) position to shut the system down, then turn the switch back to the ON (I) position and restart.

Installation

1. Turn off the hard power switch, if any, on your old power supply.
2. Disconnect the power cord from your old power supply.
3. Open your computer case according to the directions provided in your case manual.
4. Disconnect all power connectors from the motherboard and from the peripherals devices such as case fans, hard drives, optical drives, floppy drives, etc.

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).



Note: the detachable 4-pin section cannot be used in place of a 4-pin +12V connector.

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

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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 over the life of a desktop computer
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- 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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