



EVER

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How to choose a Power Supply Unit (PSU).

A lot of Power Supply Units (PSU) are interchangeable and it is usually not necessary to replace a faulty power supply by the exact same model number. In fact most big PC manufacturers charge high prices for their PSU that could be replaced by other cheaper quality brands.

There are 4 things to check when choosing PSU which come in various **SIZES, POWER OUTPUTS, QUALITIES** and **CONNECTORS**

SIZE:

This is the most important thing to check. The Power supply size must match your existing faulty PSU to fit your PC.

Standard ATX PS2 PSU (Advanced Technology Extended): 140x150x85mm

Micro ATX PS3 PSU: 150x100x85mm

Micro ATX SFX PSU: 100x125x76.5mm

Flex PSU (Small PSU): Various sizes

POWER OUTPUT:

The more power the better (and the more expensive). A 350Watt PSU can replace a 150Watt PSU and will only supply the level of power required.

Most home PC need a 250 to 300W PSU, but servers and bigger computers can require a 400W to 600W and even a 1000W PSU.

QUALITY:

Our PSU are heavy Branded PSU which means they are:









- Durable and Reliable (provide a regular clean DC current).
- Under a one year warranty (except Promotional PSU).
- Silent (With noise killer, fan speed & temperature control and silent ball bearing fan).
- With PFC (Energy saving Device).
- Global Approved.
- Set to 230volt or 115/230V for worldwide use.

CONNECTORS:

There are various types of standard connectors all PSU come with and a few new types not all PSU Have.

Most PSU come with more than enough connectors but just check for the latest types of connectors if needed.

All connectors do not have to be used if not required and can just be left unconnected.

	<p><u>Main ATX:</u> 20pin or 24pin for the latest boards. Some versatile PSU have a 20pin + a detachable 4Pin to make it a 24pin connector (see picture). A 24pin PSU connector can be plugged into a 20pin Board connector. A 20-to-24pin (Or vice versa) converter can also be used.</p>
	<p><u>Molex:</u> All PSU have at 2 to 5 of these for CD-ROM or Hard Drives. If more Molex connectors are required, a Molex Y-splitter can be used.</p>
	<p><u>Berg:</u> All PSU have 1 or 2 of these for the Floppy drive or other devices such as card readers.</p>
	<p><u>12Volt P4:</u> Most PSU have one of these for Pentium 4 CPU. It is not required for Boards with CPU other than Pentium 4. It looks like the extra 4Pin connector sometimes available next to the 20pin, but the shape is different so no confusion can be done. This connector is also available as a Molex-to-P4 converter.</p>
	<p><u>SATA:</u> New PSU have 1 to 3 of these for new SATA HDD. This connector is also available as a Molex-to-SATA converter.</p>
	<p><u>Fan:</u> Most PSU now do not have this 3pin-2wire connector which controls the PSU fan from the motherboard. The fan is now controlled from the PSU itself. It is not needed even if your old PSU had one.</p>
	<p><u>12Volt 8 Pin:</u> Only high output PSU have this 8pin connector for Dual CPU boards.</p>
	<p><u>ATX auxiliary:</u> Very few old PSU have this obsolete 6pin flat connector. It is needed if your old PSU had it.</p>
	<p><u>PCI Express:</u> Only high output PSU have this 6pin connector for some Video Cards. This connector is also available as a Molex-to-PCI Express converter.</p>