

## HEC PowerOP 475

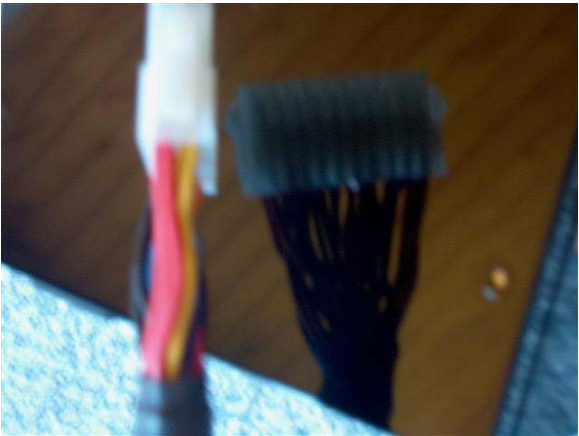
### Intro

The last power supply we tested from HEC was a silent one called the SilentOP but now we've got the PowerOP 475 over here and that's the not so silent but yet more powerful version of their power supplies. This one has 475 Watts to divide beneath the different lines. And some other extra's like an included 20 pin to 24 pin ATX power connector.



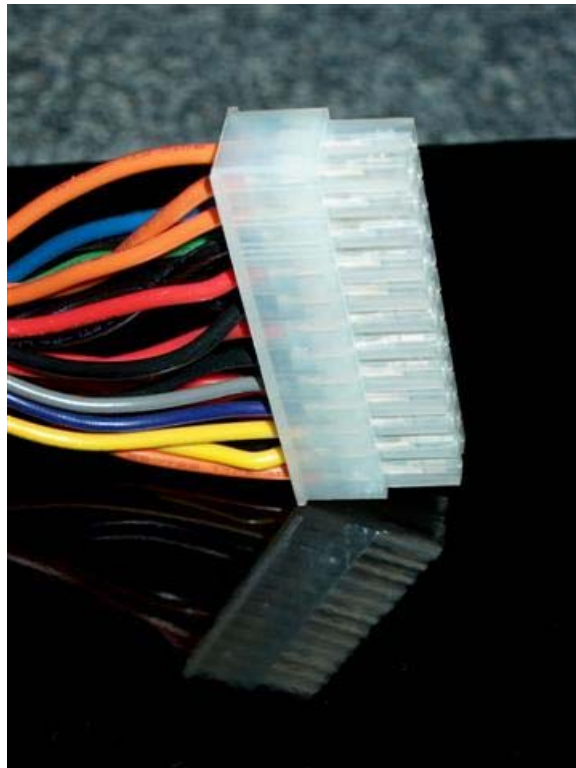
## The PSU

The power supply is a normal black power supply with a mirror finish. It reflects pretty well. The power supply has 2 fans for cooling the internals, one in the front and one in the back. The fans are ordinary black ones and have a golden colored fan grill. The 475 watts that are generated by the power supply are the peak power, the total output is 407 Watts. That gives us 15A on the 12 Volt line but 18 A peak, 38A on the 5 Volt line and 41A peak. The 5 Volt line combined with the 3.3 Volt line provide 200 Watts, but the 3.3, 5 and 12 Volt line combined have a maximum peak of 450 Watts. This should be enough for most pc users. To get the power to your devices you've got a lot connectors with long cables. You've got 8 Molex connectors and 2 floppy connectors these are divided beneath 3 cables, all of these cables are at least 50cm long. The ATX power connector is sleeved and is very long, it measures 70 cm and that's even longer than the height of most cases. The same is for the P4, the 6 pin AUX and the fan rpm wire, they're all 70 cm long. Although it has 2 fans to cool the unit it still runs virtually silent, it's not noisy but if you want a silent power supply you should buy the SilentOP.



## Extra's

This time they added an extra. They included a 20 pin to 24 pin ATX adaptor. This will come in handy when you want to use a server motherboard with this power supply. The little wire is approximately 25 cm, so when you use it, your ATX cable will have a length of approximately 95 cm, which is quite long. They also put a little piece of sleeving around it so it wouldn't hamper the airflow. Speaking of airflow, to increase the cooling inside the power supply, they placed two 80mm fans in a push-pull configuration this means that one fan pushes fresh air in and the other one blows it out. To see what speed the two fans are running at; they added a fan rpm wire. For the looks they made the power supply black, but not ordinary black, it has a mirror finish to give it just that little bit more.



## Conclusion

The Power supply is the ultimate power supply for the enthusiast and gamers. Even the people who want a silent pc could use this power supply because it's not that loud.

### **PRO**

long cables  
mirror finish  
20 pin to 24 pin adaptor included  
sleeved ATX cable

### **CONTRA**

no SATA

We would like to thank HEC ( <http://www.hecgroup.com.tw> ) for sending the PowerOP.

