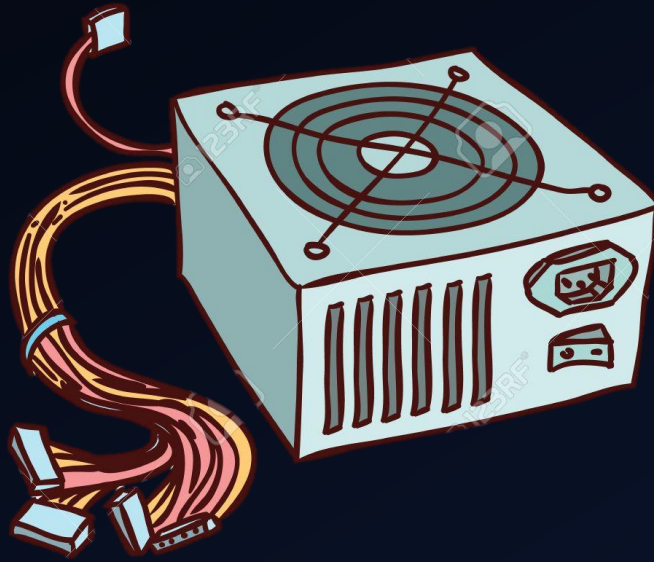


psu(power Supply Unit)

**KIARASH
MALEKI**

What is PSU ?



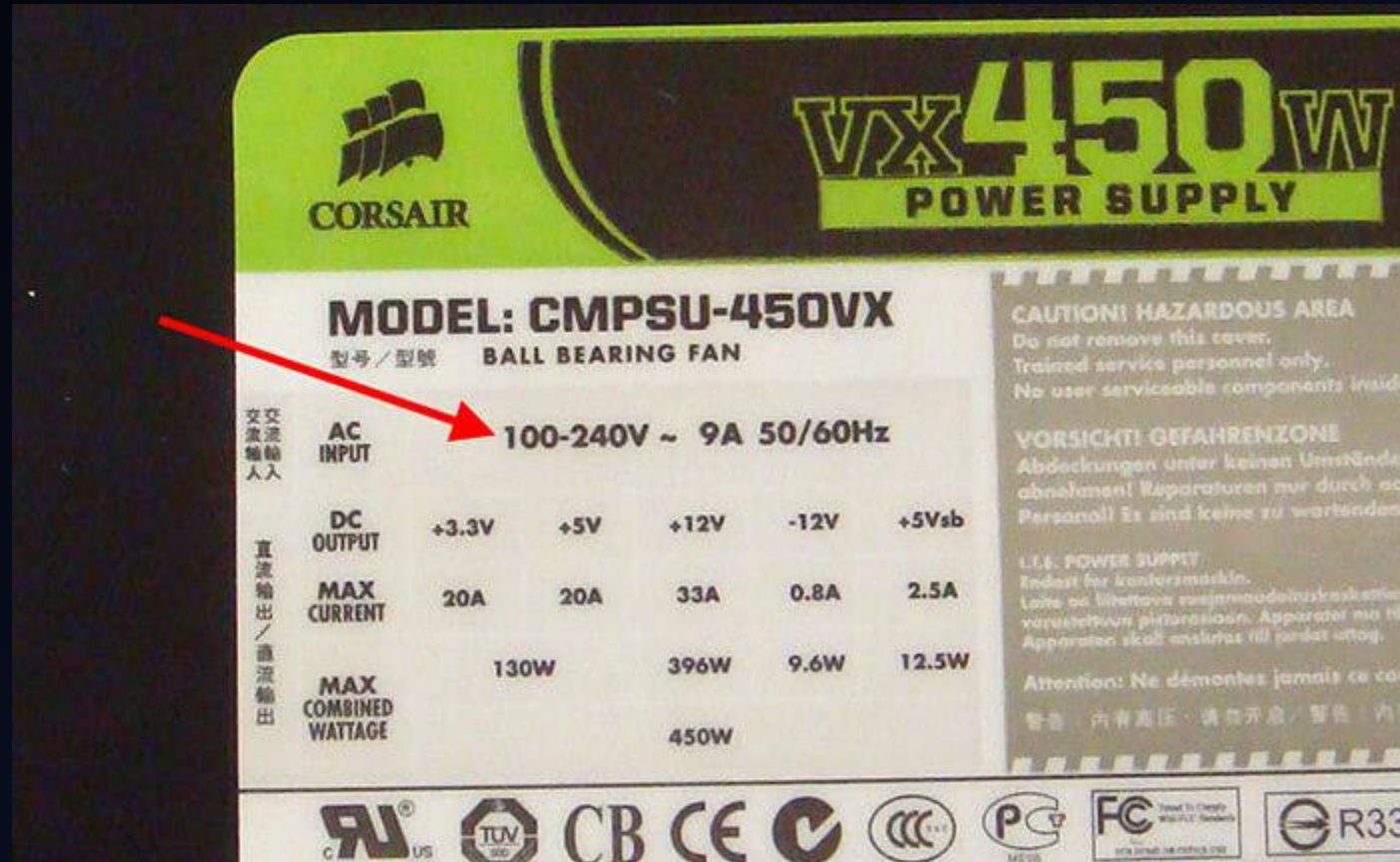
How does it work?



Linear vs. Switching



PSU input



CORSAIR

VTX450W
POWER SUPPLY

MODEL: CMPSU-450VX
型号 / 型號 **BALL BEARING FAN**

交流輸入
AC INPUT **100-240V ~ 9A 50/60Hz**

直流輸出 DC OUTPUT	+3.3V	+5V	+12V	-12V	+5Vsb
MAX CURRENT	20A	20A	33A	0.8A	2.5A
MAX COMBINED WATTAGE	130W	396W	9.6W	12.5W	450W

CAUTION! HAZARDOUS AREA
Do not remove this cover.
Trained service personnel only.
No user serviceable components inside.

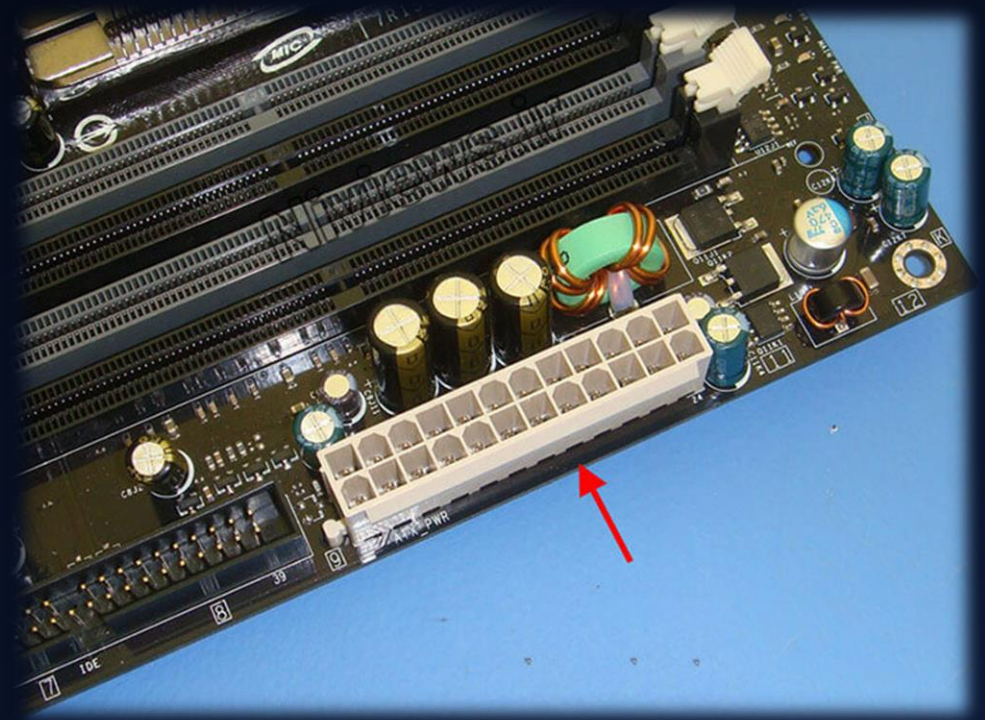
VORSICHT! GEFAHRENZONE
Abdeckungen unter keinen Umständen
abnehmen! Reparaturen nur durch
Personal! Es sind keine zu wartenden!

LiE. POWER SUPPLY
Endest für konformität.
Laita on liitteava suojamoodelmäärkennet
varustettuna pöytäsuojaa. Apparaatit mit risk
Apparaatit skoll ensikures til joudat uttoy.

Attention: Ne démontez jamais ce cou
警告：內有高压，請勿开盖 / 警告：內有

UL **TUV** **CB** **CE** **CCC** **PC** **FC** **R33**

PSU connectors (built-in cables)



PSU standards



PSU location design



old



new

PSU's fan



PSU protection systems

- OVP (Over Voltage Protection)
- SCP (Short-Circuit Protection)
- OCP (Over Current Protection)



Thanks for watching