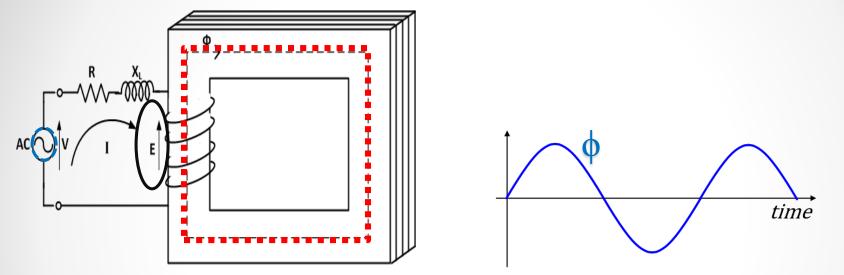
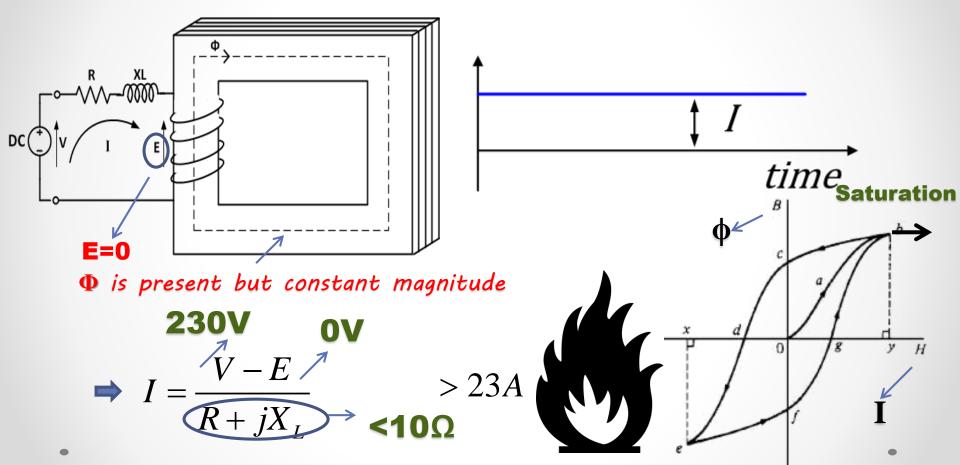


Transformer and AC supply.



230V 210V $\downarrow V - E \checkmark$ $\downarrow V - E \checkmark$ $\downarrow F + jX \rightarrow$ **10** \square Presence of 'E' term in equation will save transformer

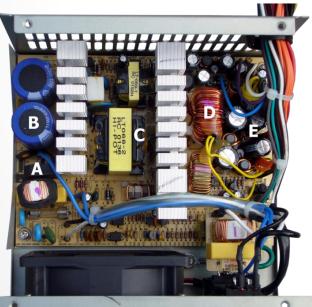
Transformer and DC supply.

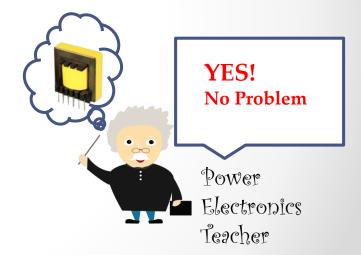




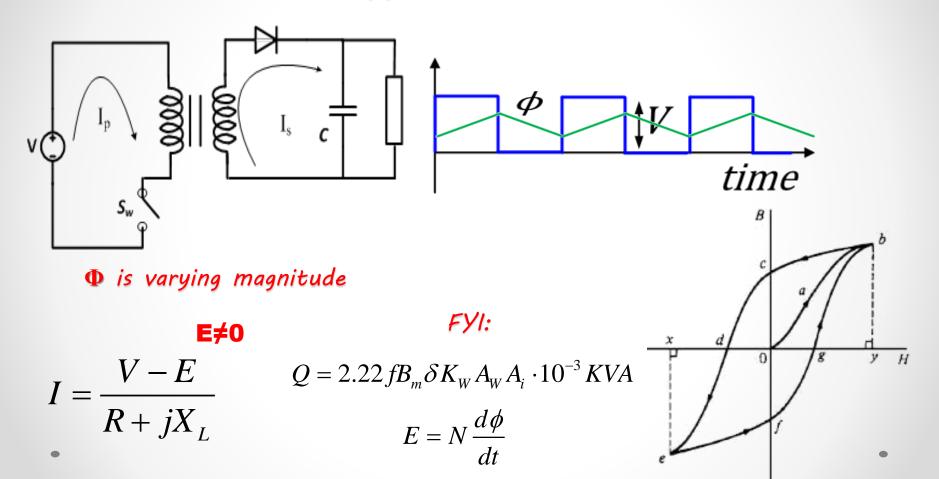
In SMPS application, i.e., DC-DC converter,

How transformer is used ?





Transformer in SMPS application.



THANK YOU