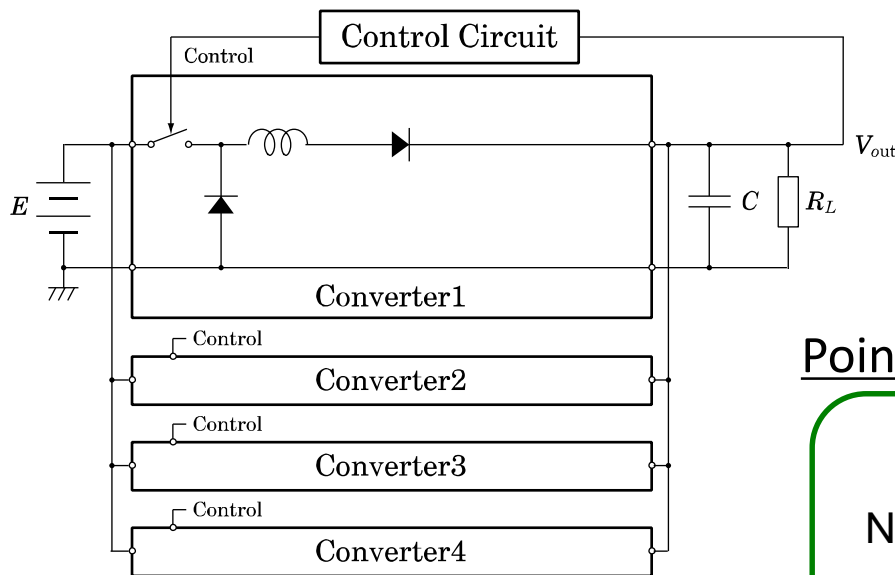


## Changing Method of Multi-Phase Buck Type Switching Converter

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Multi-phase power supply  
switching converter



Application : Microprocessor for server  
Max current : 100A ➡ Instantaneous

Multi-phase switching converter  
compared to Single-phase

Ripple : **Smaller**

Transient speed : **Faster**

Efficiency :

for **large** load current **Good !**

for **small** **Bad !**

Point of this work

Load current **increase / decrease**



Number of operating phases **increase / decrease**  
dynamically



Good efficiency for small & large load current