

Four interleaved current mode sync Bucks all feeding into a single output and controlled by a single feedback divider and a single controller.

These 4 Sync Bucks pour current into the same output. There is a danger that one of them may actually start boosting current from the output to its input. In order to stop this, the "low impedance copper plane" as shown here is often used. This means that each buck "sees" the same impedance to the output as each other, and so this will reduce the chances of one of them starting to go into boost mode.

