



Or-ing diode kills the gains from sync rectification

Is it there for "interleaving" ?

But then why should it require a diode to interleave 2 phases of differing ON times?

- Is the Interleaving case not similar to multi-phase "buck converters" as in VRMs? Where outputs of several buck stages are put in parallel without OR-ing diodes because they are driven in differing phases?
- Another observation is that one may have an inductor on each of the interleaving outputs- to reduce ripple further in addition allow easy paralleling without diodes.
- Are we on the same page here on this issue?