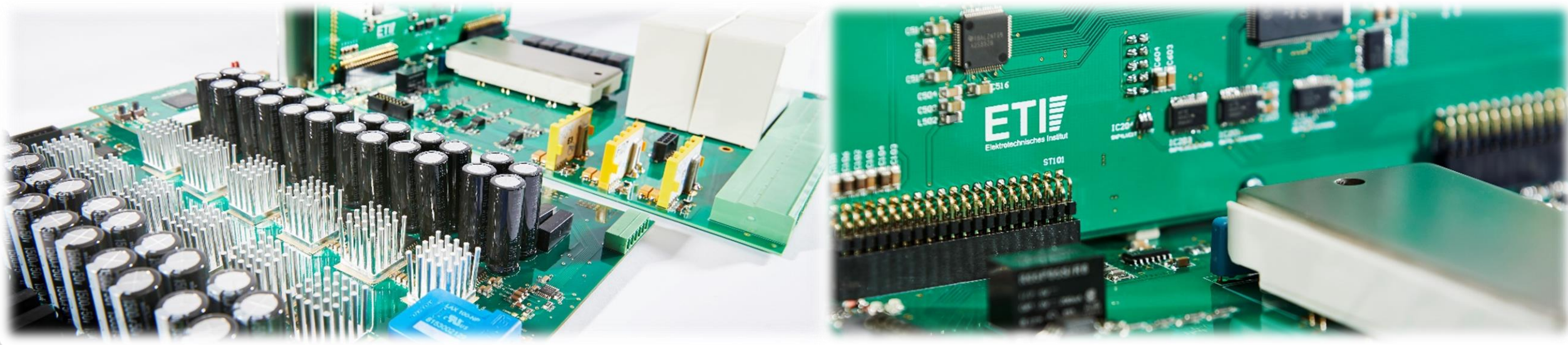


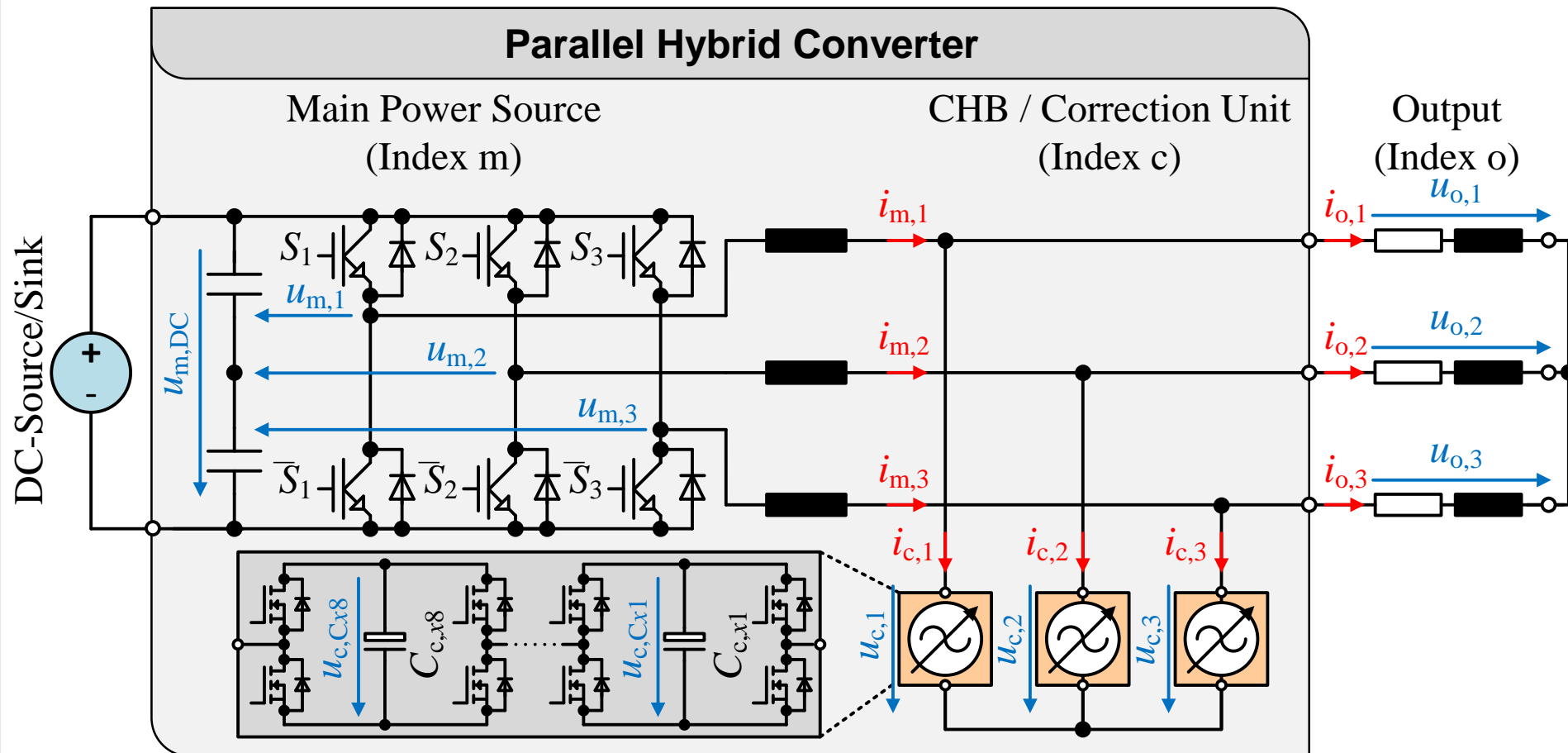
Cascaded H-Bridge based Parallel Hybrid Converter - A novel Topology for perfectly sinusoidal high power Voltage Sources

Lukas Stefanski, Daniel Bernet, Mathias Schnarrenberger, Christoph Rollbühler, Andreas Liske, Marc Hiller

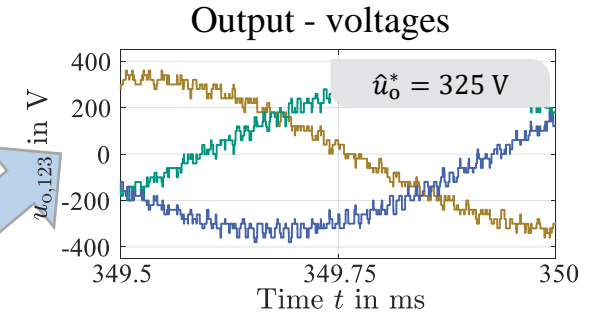
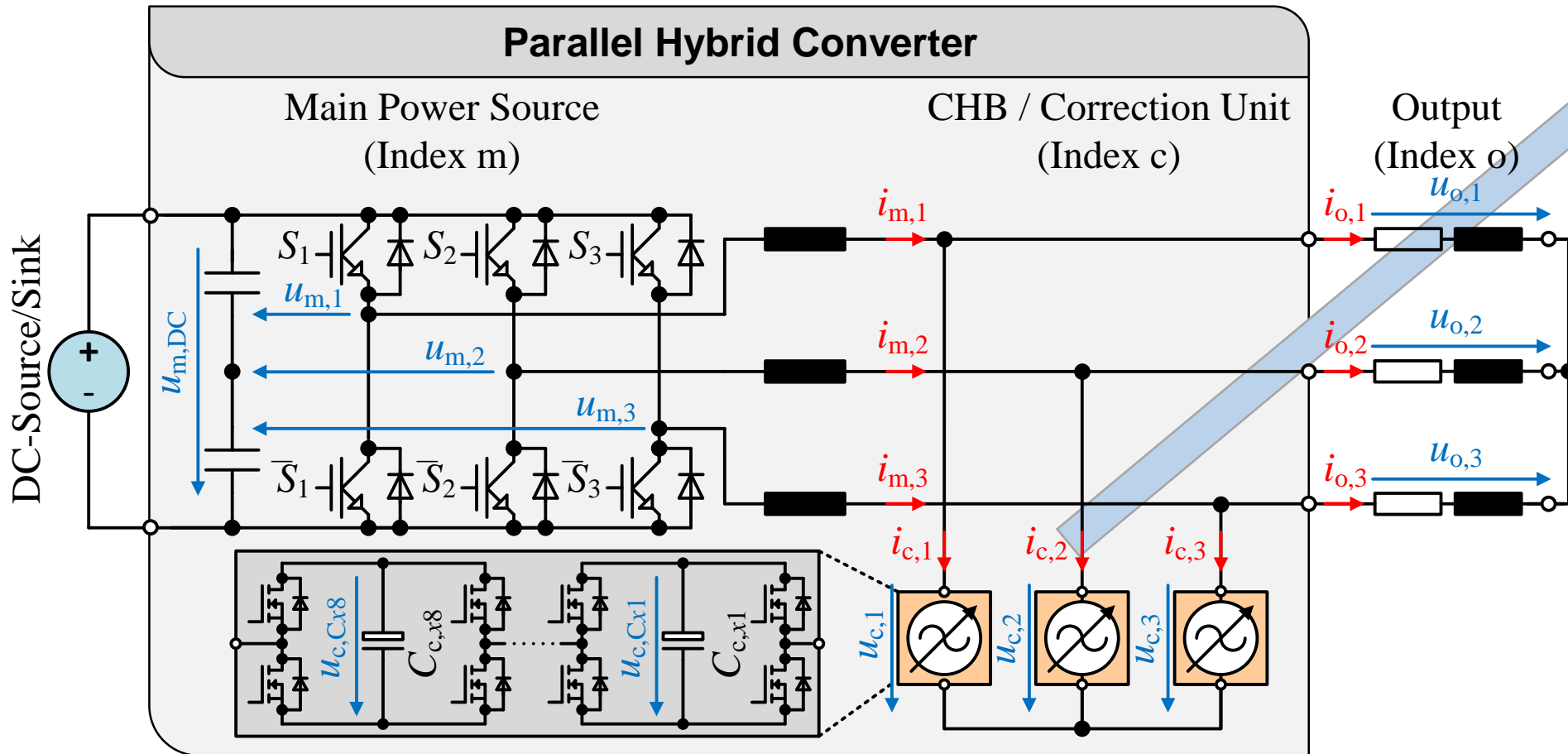
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Power Electronic Systems



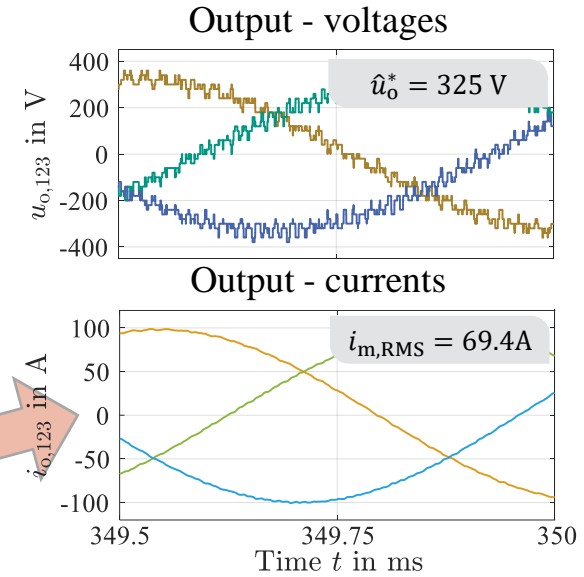
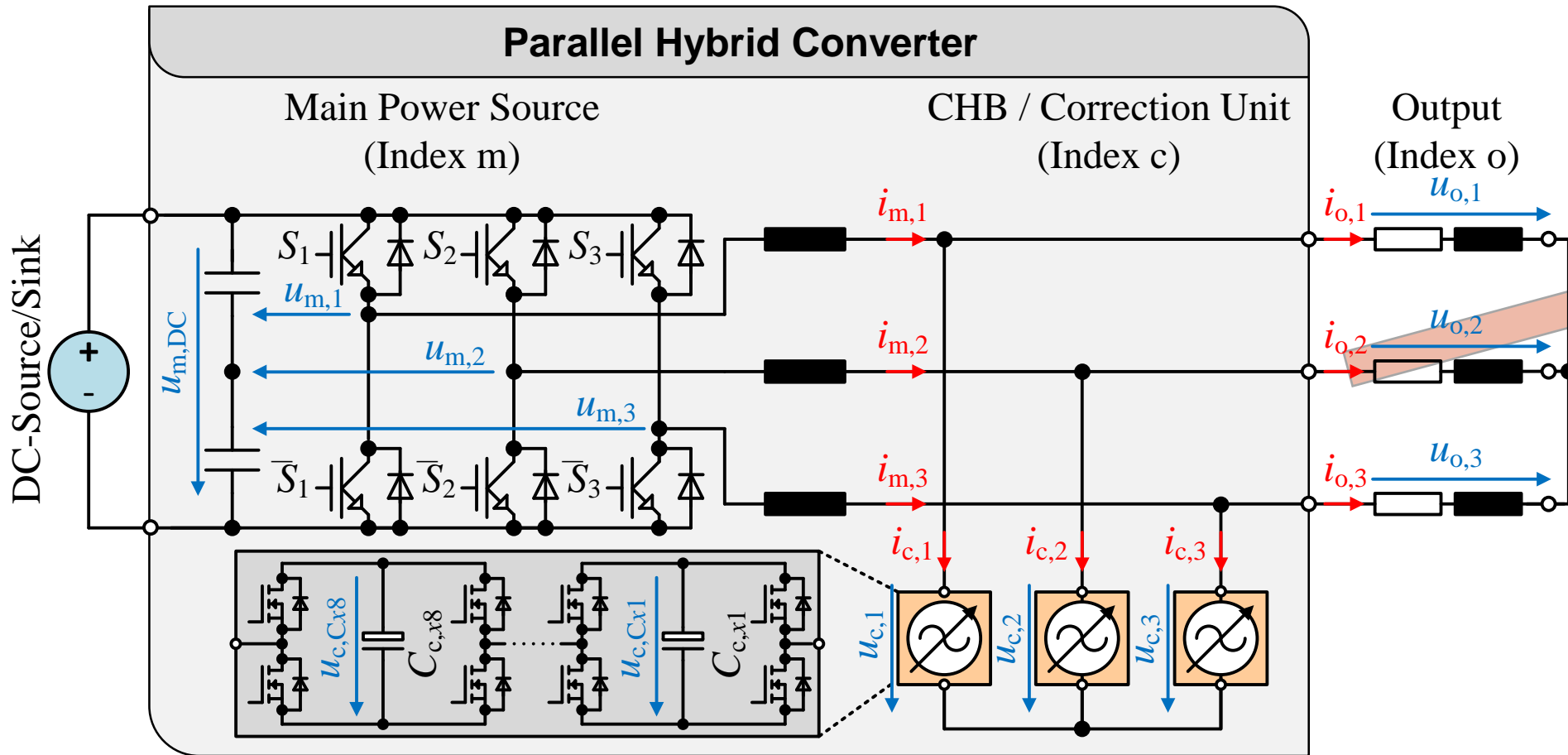
Cascaded H-Bridge based Parallel Hybrid Converter



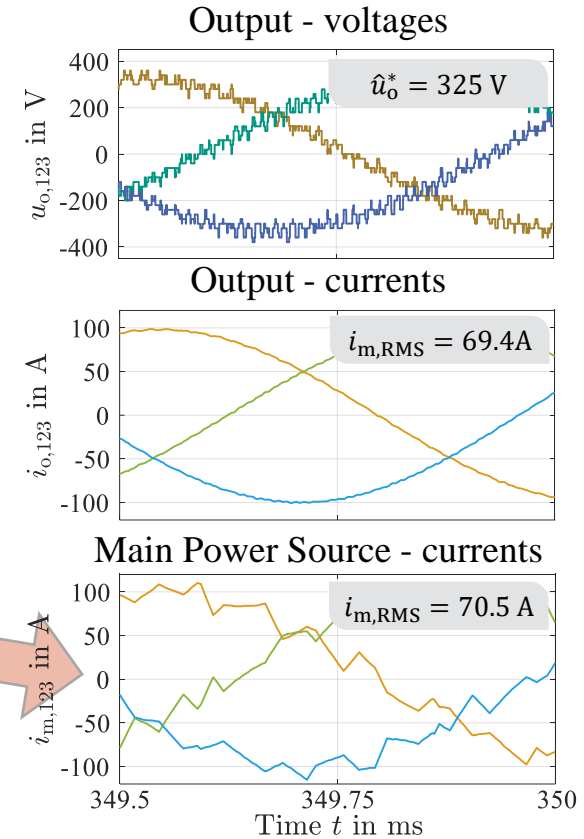
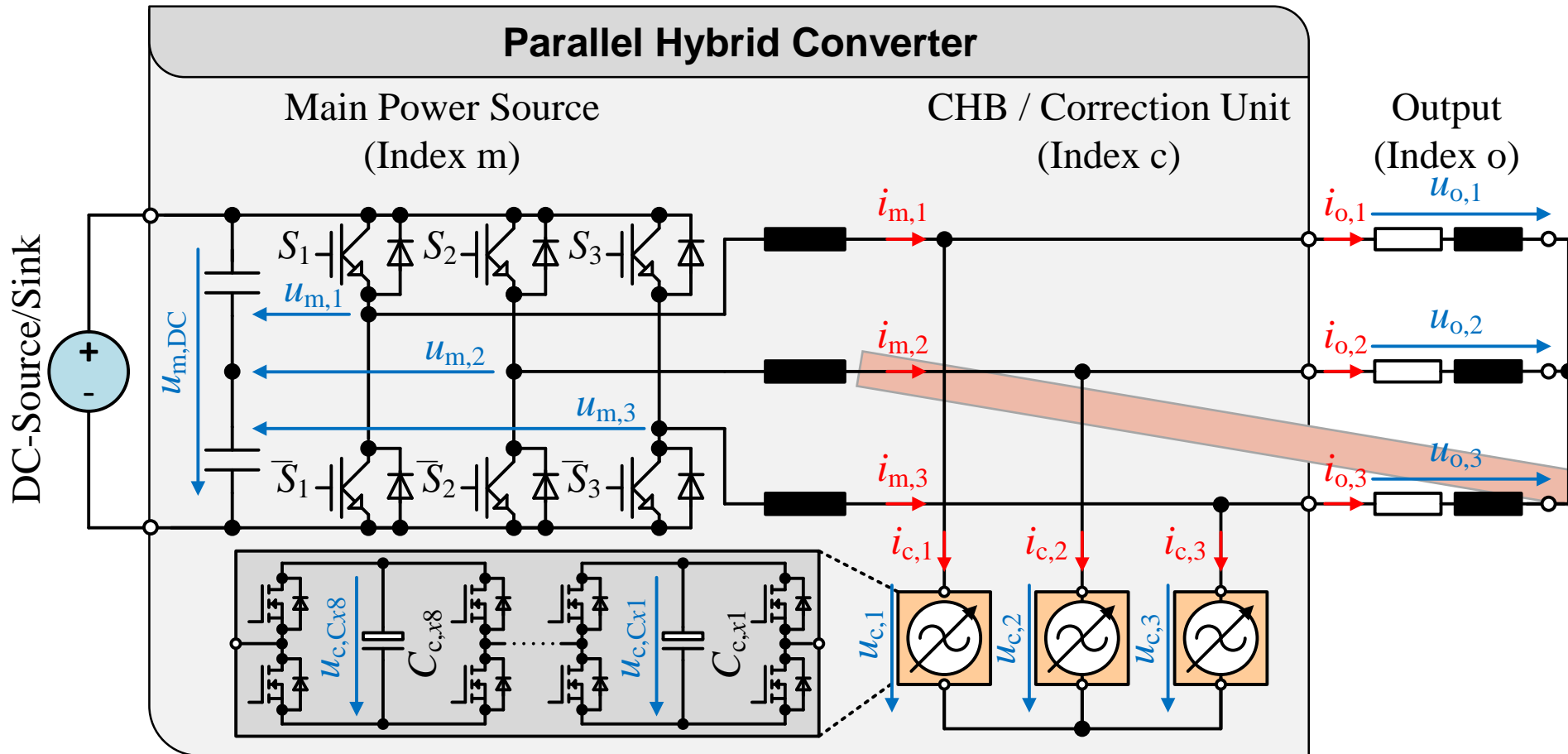
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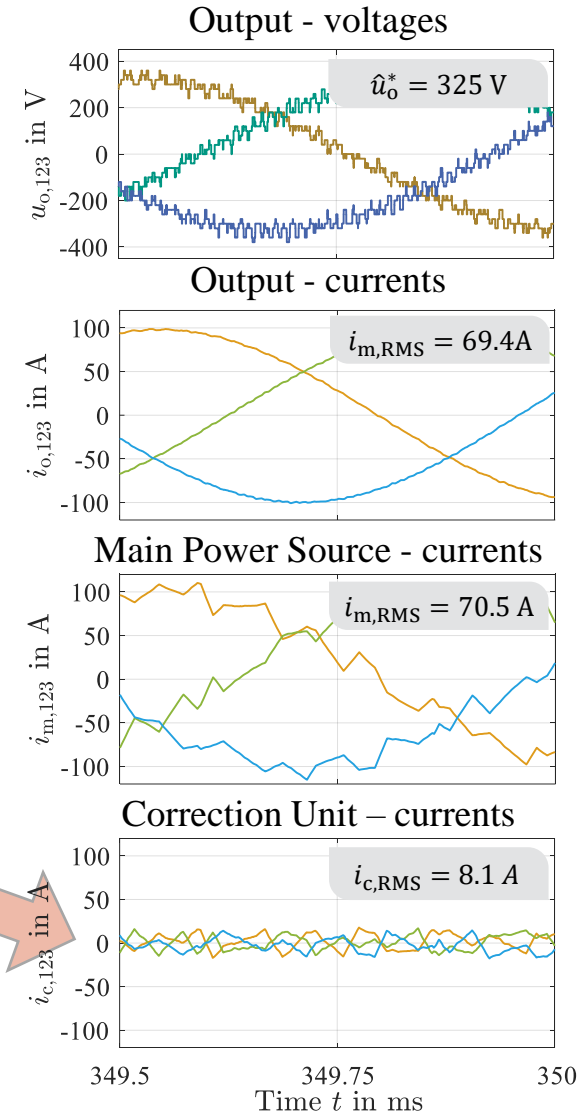
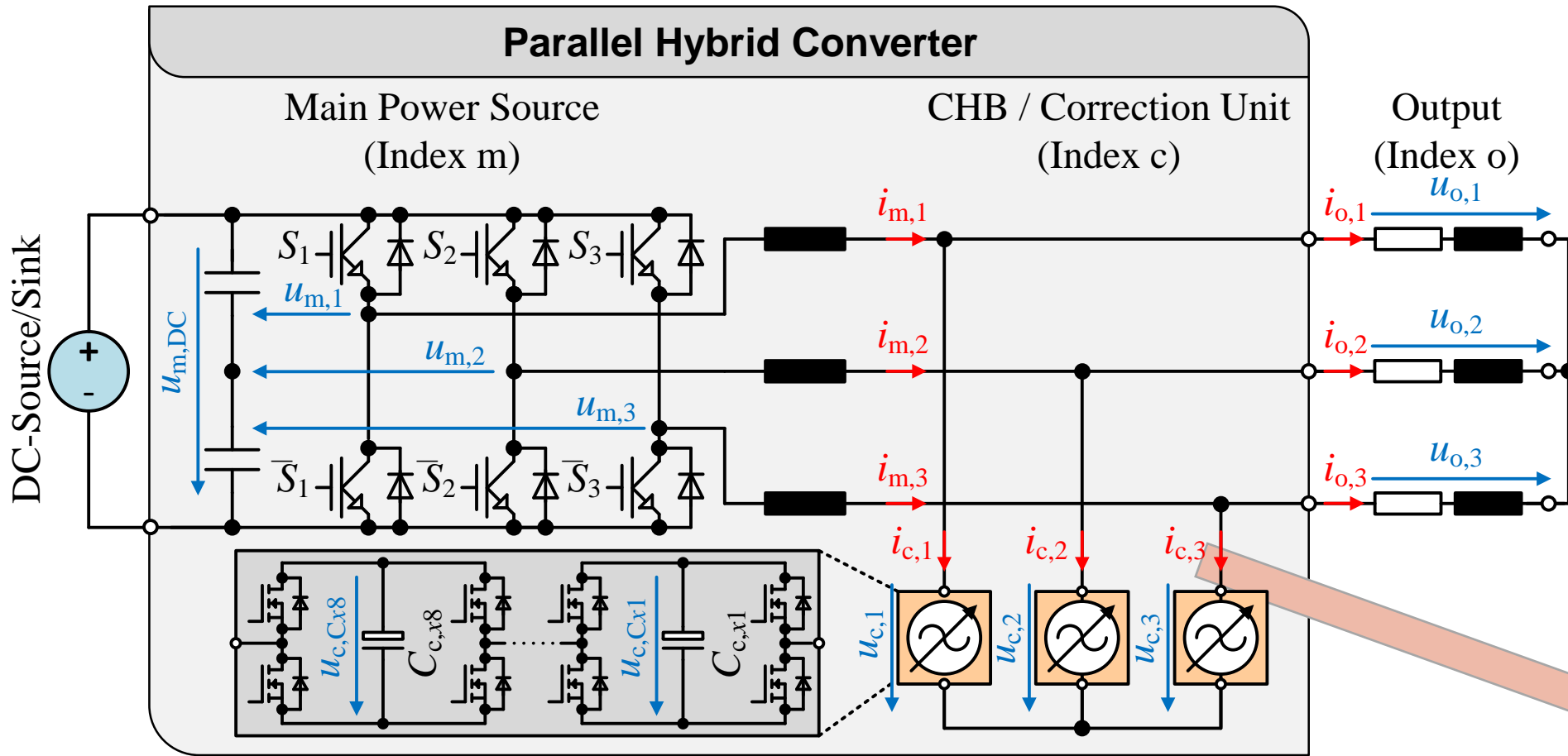
Cascaded H-Bridge based Parallel Hybrid Converter



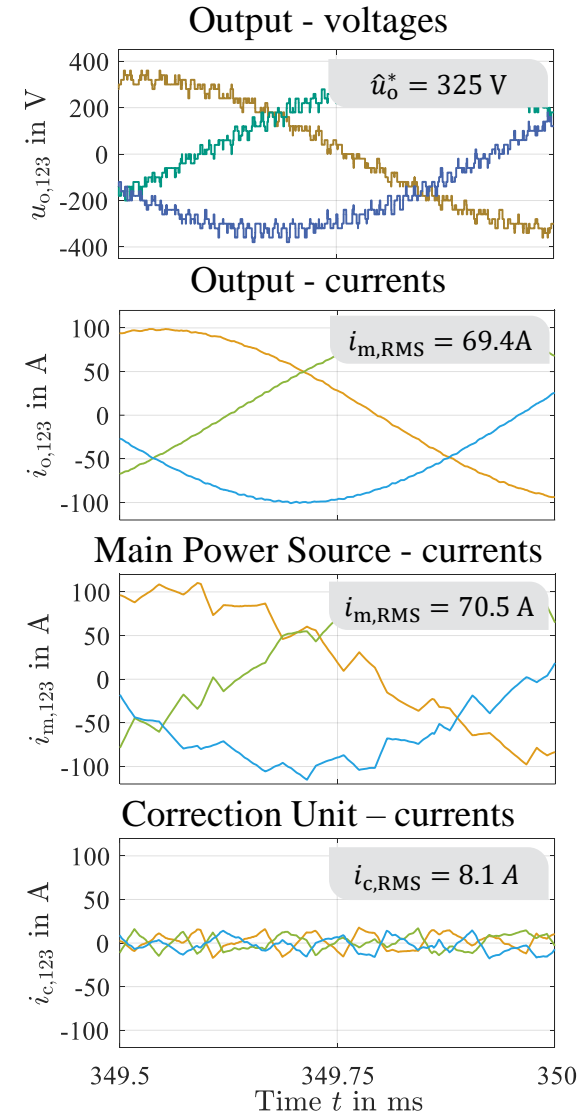
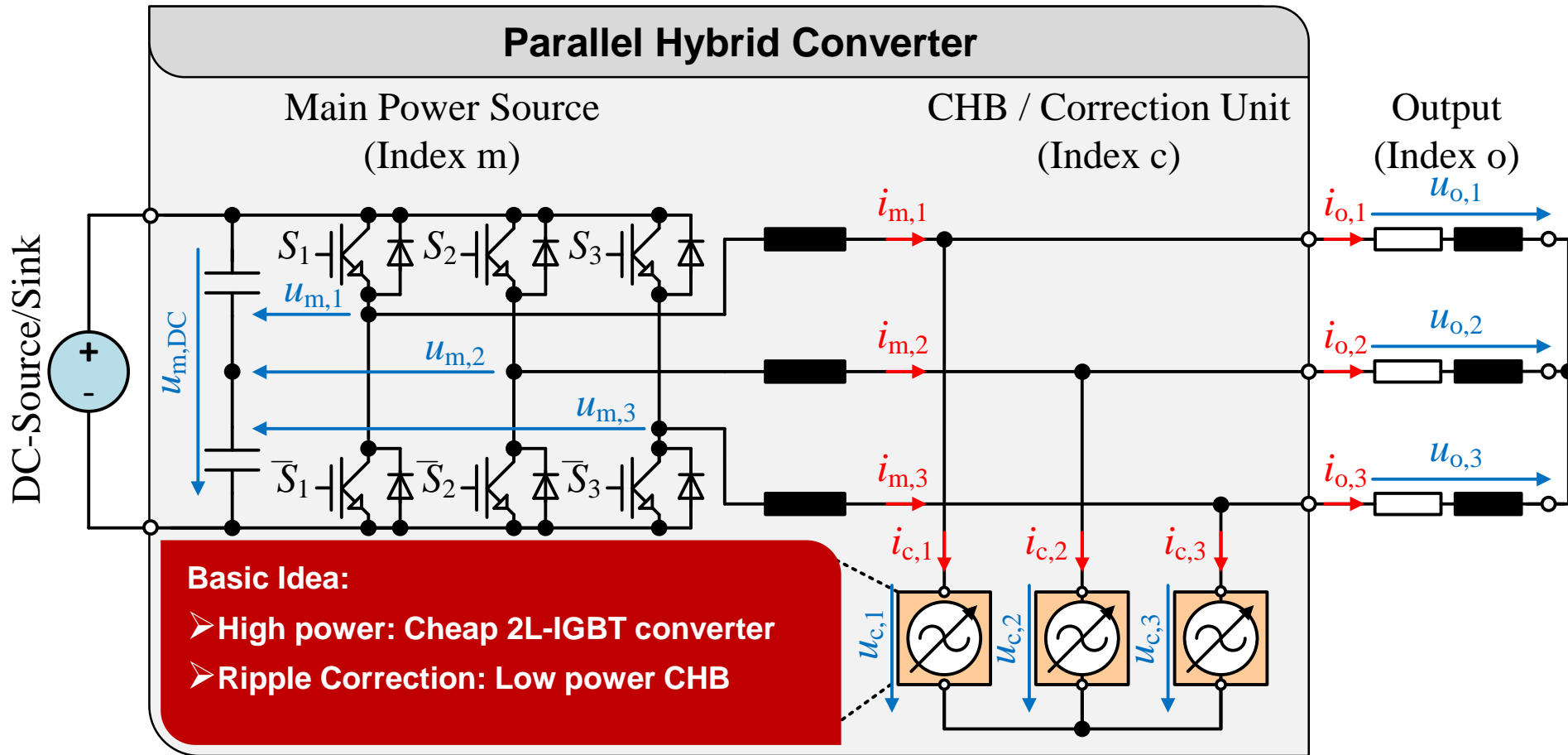
Cascaded H-Bridge based Parallel Hybrid Converter



Cascaded H-Bridge based Parallel Hybrid Converter

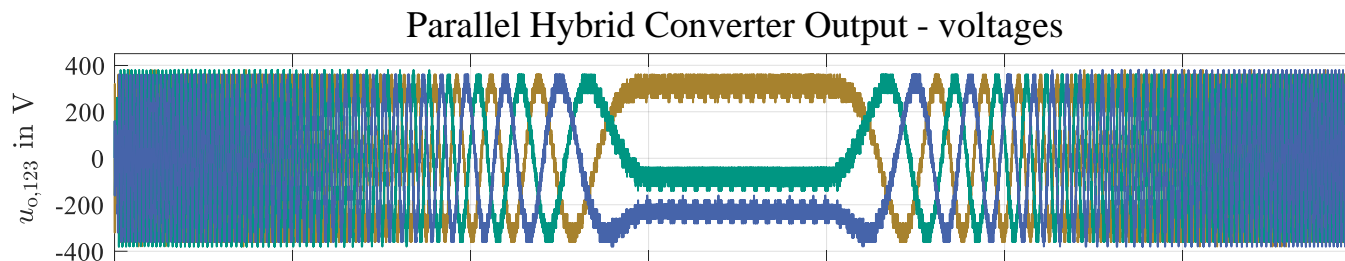


Cascaded H-Bridge based Parallel Hybrid Converter

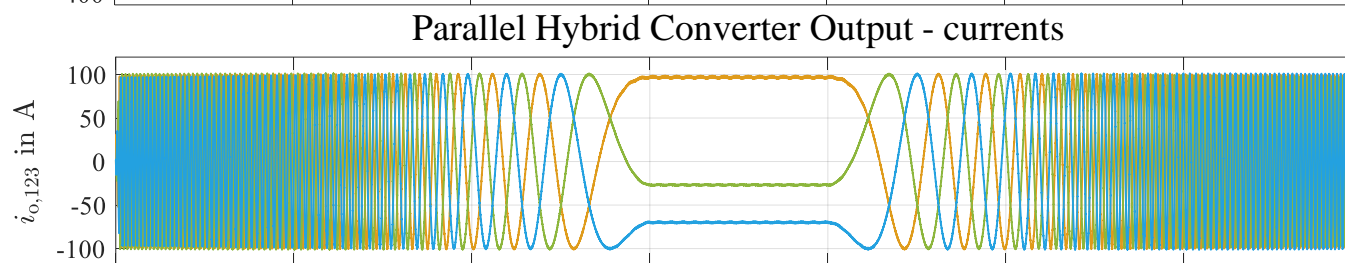


Simulation results with a RL-Load

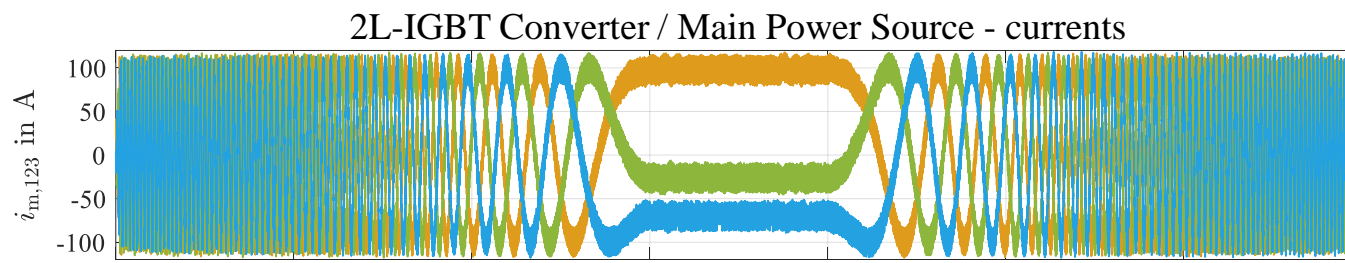
Output voltages:



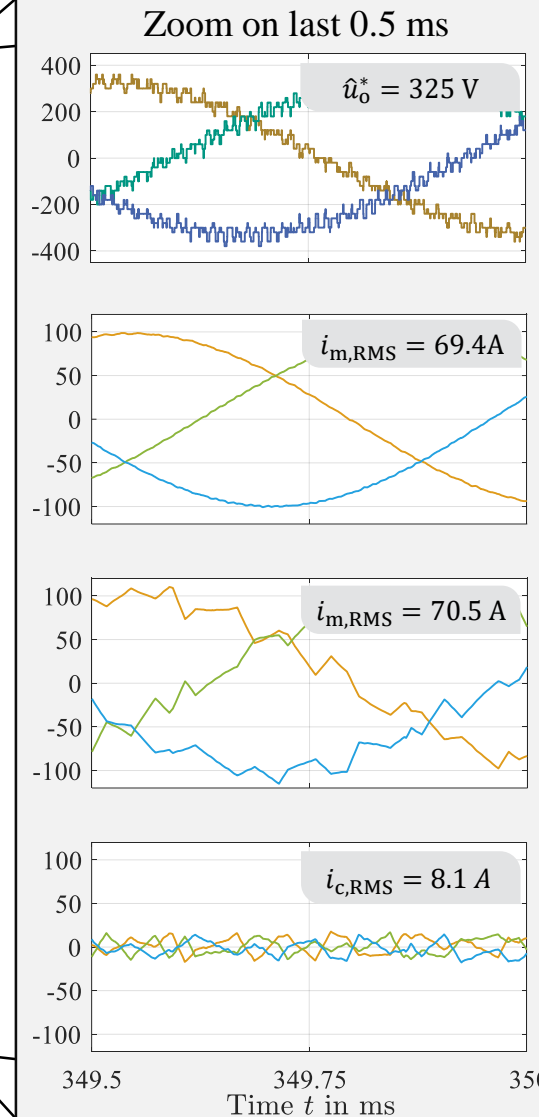
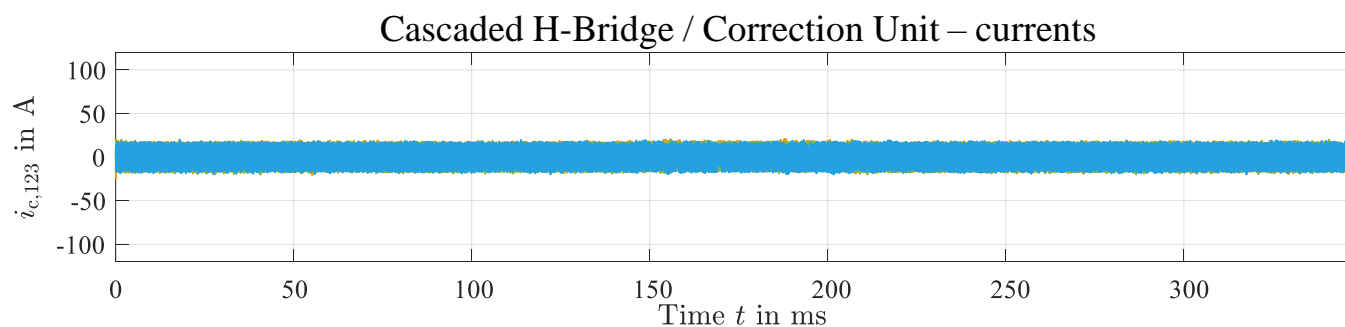
Output currents:



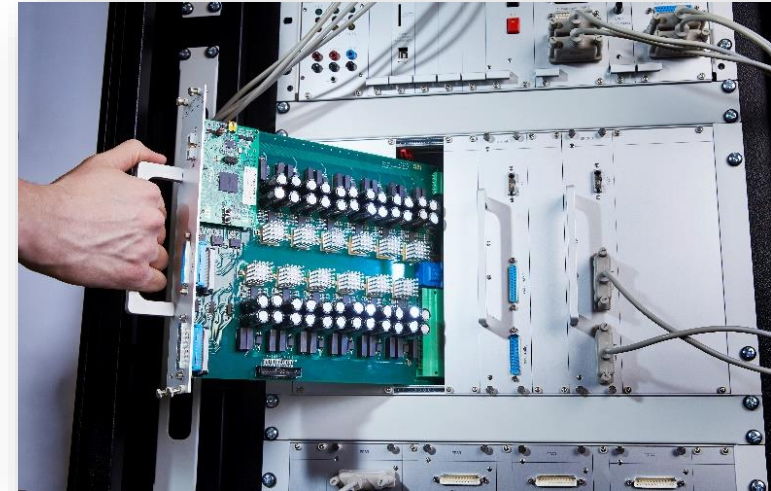
Main Power Source currents:



CHB / Correction Unit currents:



Thanks for your attention



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