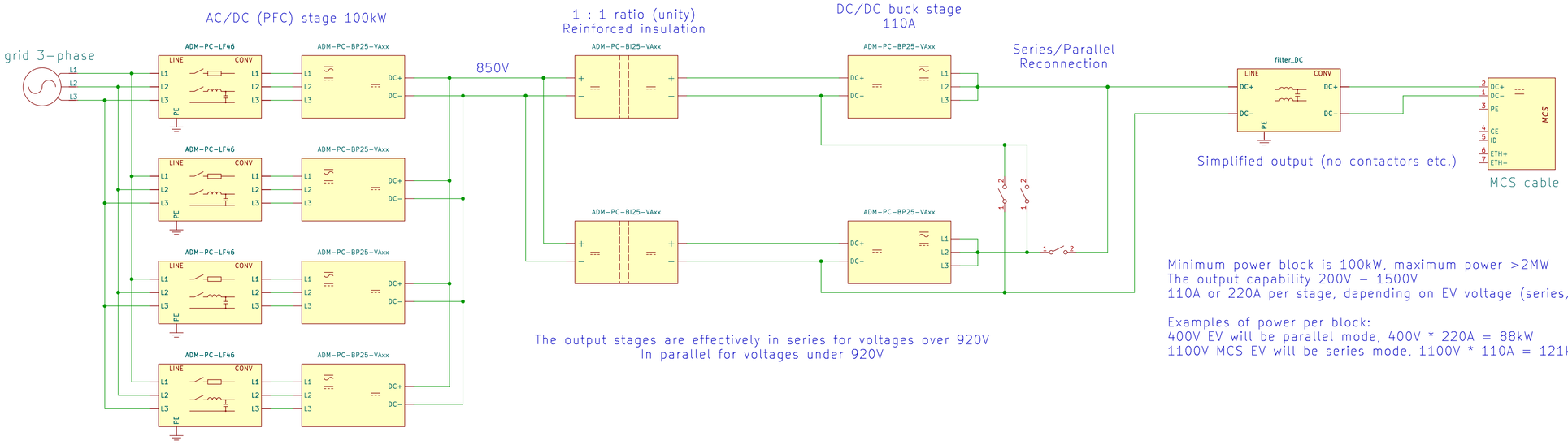
Megawatt Charging System with 400/480VAC input (200–1500V output)



The output stages are effectively in series for voltages over 920V
In parallel for voltages under 920V

Minimum power block is 100kW, maximum power >2MW
The output capability 200V – 1500V
110A or 220A per stage, depending on EV voltage (series/parallel matrix)

Examples of power per block:
400V EV will be parallel mode, 400V * 220A = 88kW
1100V MCS EV will be series mode, 1100V * 110A = 121kW, but limited to 100kW