

B-1. DC-AC IH Half-Bridge Inverter Po=10kW

Input : $V_{in}=800V_{dc}$

Output : $I_o=70A_{ac}$

GD-IC : **BM61S41RFV**

Gate Drive : $V_d=18V$

$R_{source}=2\Omega$

$R_{sink}=1\Omega$

$f_{sw}=50k\sim 100kHz$

Q1 : **BSM080D12P2C008**

SiC Power Module

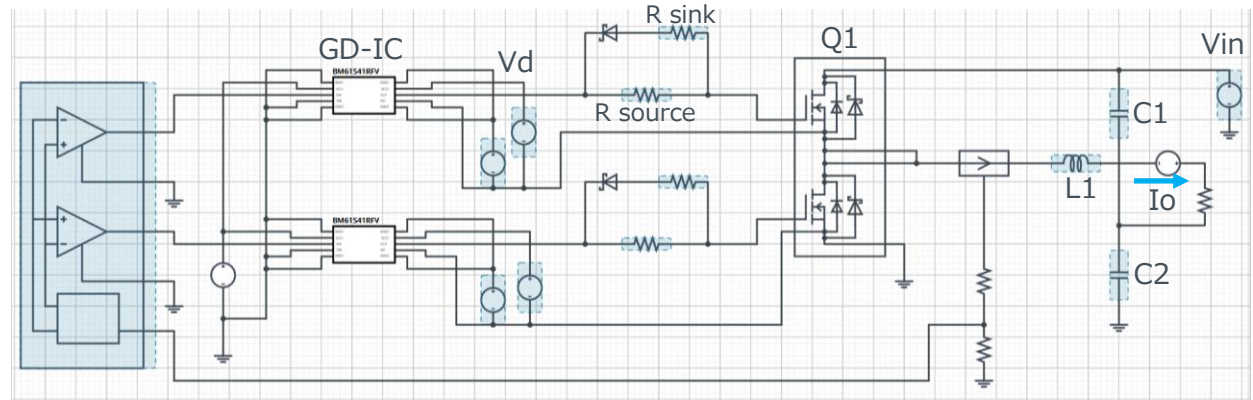
(1200V 80A)

L1 : 30uH

C1,C2 : 200nF

$T_j=100^\circ C$

B-1. DC-AC IH Half-Bridge Inverter Po=10kW Simulation Circuit



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