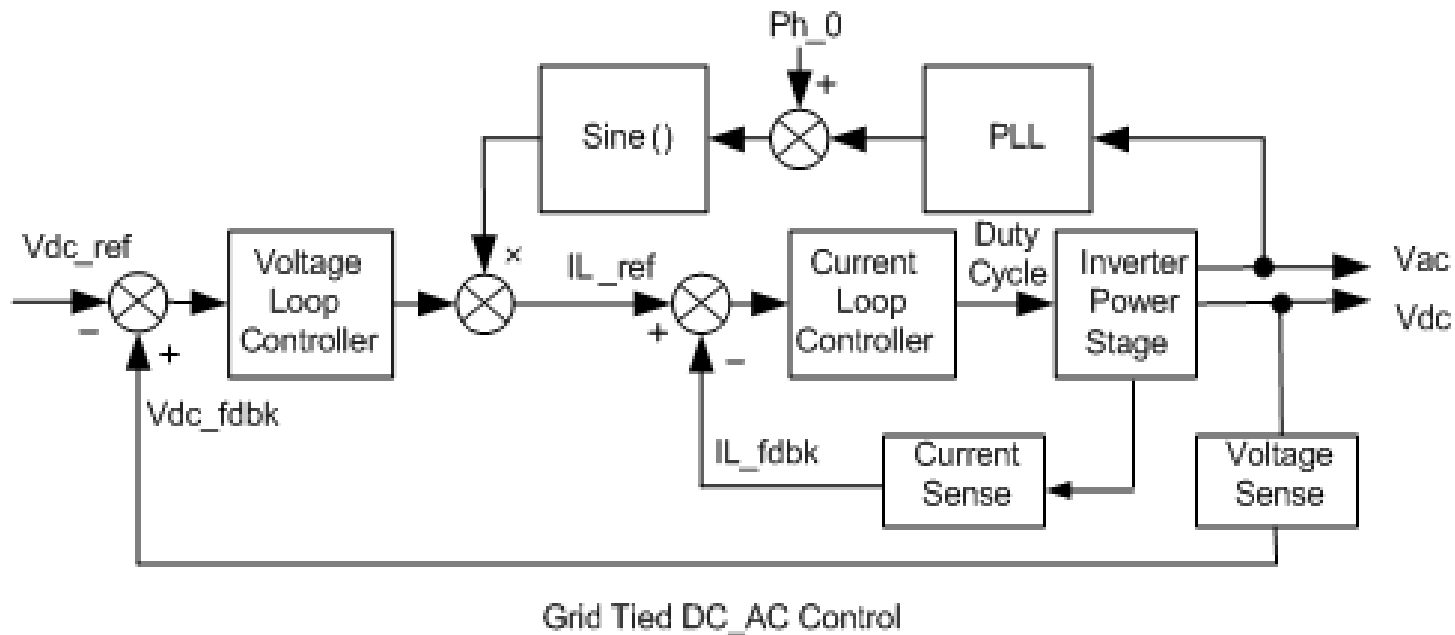


High Voltage Solar Inverter

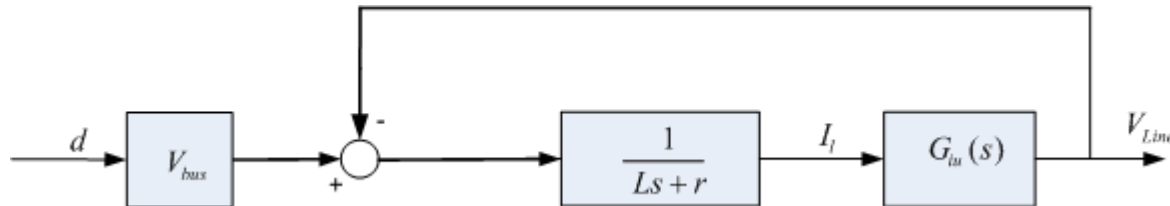
Control Loops



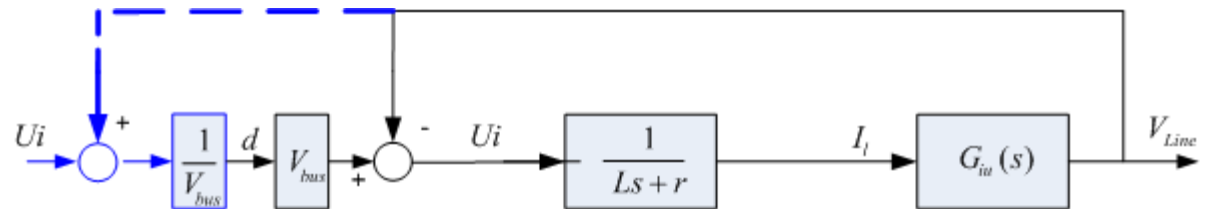
- Outer Voltage Loop - DC Bus Volt Regulation
- Inner Current Loop – Output Inductor Current Control

High Voltage Solar Inverter

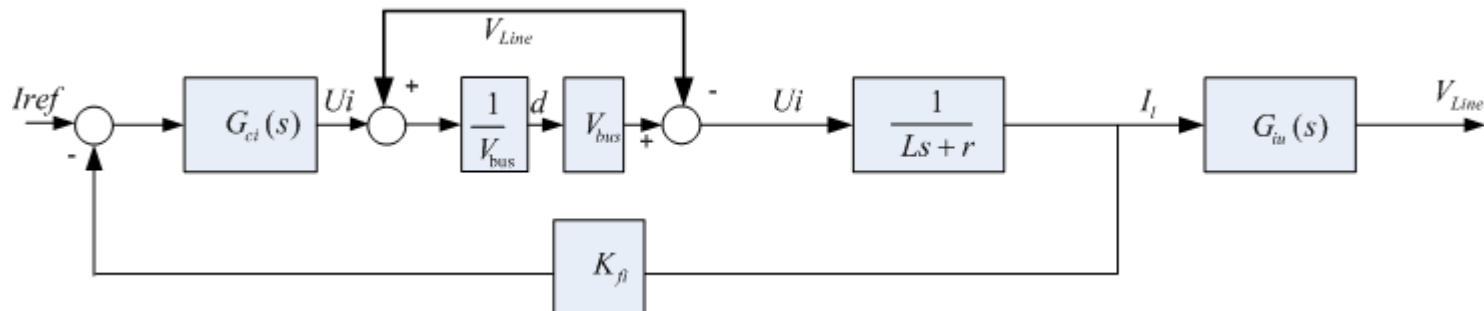
Current Control Loop



Current Loop Power Stage



Modified Current Loop Power Stage



Modified Current Loop Gain Calculation