



The input buck-boost stage is formed by $L_1, S_1, D_2, D_3, C_1 \dots$. The output buck stage is formed by $C_1, L_2, C_o, S_2, D_1, D_4$ with C_1 as intermediate energy storing capacitor. Both stages operate in DCM..I have shown the complete operation of the PFC in four modes



