



The input buck-boost stage is formed by  $L_1, S_1, D_2, D_3, C_1$ ... The output buck stage is formed by  $C_1, L_2, C_0, S_2, D_1, D_4$  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



