

## **Operational Description**

1. F1, RV1, L1A, L2A, L1B, L2B, C1, C2: Work together with to perform EMI function
2. D1, D2, D3, D4, C3: work together with to perform rectifying circuit. Change form AC circuit to DC circuit.
3. R13, R14, R15, R16, R17, C17, L3, D6, ICU1, R23, R24, Q3, R25, R18, R19, R20, R21, R22. work together with to APFC circuit. Change from DC low voltage to 450V voltage.
4. C15, R10, D7, D11, R9, R34, C16, C23, constitute power Supply with IC U1.
5. C4, C5, R27, R28, R29, R30, constitute filter the waves circuit.
6. Q1, Q2, L4, C12, C10: work together with to perform switching circuit, change from DC to hi-frequency AC, the working frequency is 45KHz
7. R4, C8, C6, IC U2, R5,R6, work together with to perform Driver circuit, to startup the Mosfet.
8. R1, R2, R3, D13, R5, C24, work together with to protect circuit.