

Circuit Description

The electric circuit explains describes: power source's principle of work: the power source's function is exchanges electrical network's electrical energy to transform to suit the low pressure direct current which in the PC engine case the fitting uses, actuates our equipment. Mainly uses the pulse transformer coupling switch voltage-stabilized source, the main switching process is: the high pressure city frequency exchange - (rectification, filter) > the high-pressured cocurrent - (modulation) > the high-pressured high frequency exchange - (live pressure) > the low pressure high frequency exchange - (rectification, filter) > the low pressure directs current

1) 220 alternating currents enter the power source, first after power choke coil and electric capacity, filtration high frequency clutter and synchronism unwanted signal. These power choke coils and the electric capacity have composed the first-level EMI filter circuit.

2), after the first-level EMI electric circuit, the second-level EMI electric circuit which is composed of the inductance coil and the electric capacity further filters the high frequency clutter again.

3), this step is mainly changes into the high-pressured exchange phonograph the high pressure to receive a telegram straight, completes by the entire bridge electric circuit rectification and the large capacity filter electric capacity filter. Many friends like with here using the electric capacity capacity the size to judge power source's power.

4), changes into the direct-current phonograph the high-frequency the pulsating direct current, this step completes by the switching circuit. The switching circuit is composed of two switching valves, serves the transformation purpose through theirs breakdown and the closure in turn.

5), pulsating direct current which obtains, delivers the high frequency switch transformer to carry on the voltage dropping. The low pressure filter circuit which is composed of the diode and the filter electric capacity carries on the rectification and the filter again obtained the pure static low pressure direct current which on the computer uses.